CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
May 7	Napa, Calif.	Apr. 26
May 7	Chester, Neb.	May 3
May 8	Coulter, Ia.	May 3
May 9	Granbury, Tex. Adv. May 3.	May 3
May 10	Hanover, Ont.	Apr. 26
May 10	Jamestown, N. Y.	May 3
May 12	Memphis, Tenn.	Apr. 12
May 14	Woodville, Wis.	Apr. 26
May 14	Liberty, N. Y. Adv. Apr. 26 and May 3.	May 3
May 14	Canton, Ill.	May 3
May 15	Gaylord, Kan. Adv. Apr. 26 and May 3.	May 3
May 15	Harrisburg, Pa.	Apr. 19
May 15	Monticello, Ind.	Apr. 26
May 16	San Francisco, Calif. Adv. Apr. 19 to May 3	Apr. 19
May 18	Sidney, O.	Apr. 26
May 18	Traer, Ia.	May 3
May 18	Mt. Greenwood, Ill. Adv. May 3.	May 3
May 22	Portland, Me. Adv. Apr. 19 and May 3	Apr. 26
May 25	Cleveland, O. Adv. May 3.	May 3

SEWERS

May 7	Los Angeles, Calif.	Apr. 12
May 7	Butler, N. J. Adv. Apr. 26 and May 3	Apr. 26
May 7	Pottstown, Pa. Adv. Apr. 26 and May 3.	May 3
May 8	Park Ridge, Ill.	May 3
May 9	Ashtabula, O. Adv. May 3.	May 3
May 10	Elizabeth, N. J.	Apr. 26
May 10	Cuba, N. Y. Adv. Apr. 26 and May 3	Apr. 26
May 10	Cleveland, O.	May 3
May 11	Columbus, O.	May 3
May 12	Kenosha, Wis.	Apr. 26
May 15	Hartford, Conn. Adv. May 3.	May 3
May 15	St. Petersburg, Fla. Adv. Apr. 19 to May 3.	Apr. 19
May 15	South Bend, Ind.	May 3
May 17	Atlantic City, N. J.	Apr. 26
May 22	Marion, Wis.	Apr. 26

BRIDGES

May 7	Wentworth, N. C.	Apr. 13
May 7	Islington, Ont.	Apr. 26
May 8	Ludington, Mich.	Apr. 19
May 8	Ontario	May 3
May 10	Haverhill, Mass.	Apr. 19
May 11	Illinois	May 3
May 14	Kenansville, N. C.	May 3
May 15	Newcastle, Pa.	Apr. 26
May 15	Monticello, Ind. Adv. May 3.	May 3
May 15	Florida	May 3
May 21	Marine City Mich.	Apr. 26
May 22	Walhalla, S. C.	May 3
May 24	Chicago, Ill. Adv. May 3.	May 3
July 31	La Center, Wash.	May 3
Nov. 30	Sydney, Australia Adv. Apr. 19 and May 3	Apr. 19

DAMS

May 8	Yerington, Nev.	May 3

RAILWAYS

May 5	Ontario	May 3

EXCAVATION, DRAINAGE, IRRIGATION

May 9	Fairfield, Ill.	May 3
May 9	Clarinda, Ia.	May 3
May 10	Boone, Ia.	May 3
May 10	Grand Forks, N. D.	May 3
May 11	Canada	May 3
May 15	Eudora, Ark.	May 3
May 15	Pontiac, Mich. Adv. May 3.	May 3
June 15	Albert Lea, Minn.	Apr. 12

STREETS AND ROADS

May 7	Warsaw, Ind.	Apr. 19
May 7	Bradentown, Fla.	Apr. 26
May 7	New Jersey Adv. Apr. 26 and May 3	Apr. 26
May 7	Olean, N. Y.	Apr. 26
May 7	East Troy, Wis	Apr. 26
May 7	Woodland, Calif.	Apr. 26
May 7	San Diego, Calif.	Apr. 26
May 7	Oneonta, N. Y.	Apr. 26
May 7	Elmhurst, Ill.	May 3
May 7	Elora, Ont.	May 3
May 8	Cocoa, Fla.	Apr. 26
May 8	Brooksville, Fla.	Apr. 26
May 8	Michigan	Apr. 26
May 8	Indiana	Apr. 26
May 8	Ohio	Apr. 26
May 8	Henderson, Ky. Adv. May 3.	May 3
May 8	Stockton, Calif.	May 3
May 8	Massillon, O.	May 3
May 8	Ft. Wayne, Ind.	May 3
May 8	Red Wing, Minn.	May 3
May 8	Johnstown, Pa.	May 3
May 8	Peekskill, N. Y.	May 3
May 8	Ontario	May 3
May 8	Sandwich, Ont.	May 3
May 8	Toronto, Ont.	May 3
May 8	Valley City, N. D.	May 3
May 8	Colorado	May 3
May 9	Ashland, R. I.	Apr. 19
May 9	Oregon City, Ore.	Apr. 26
May 9	Wisconsin	Apr. 26
May 9	Kentucky	Apr. 26
May 9	Clayton, Mo.	May 3
May 9	Cleveland, O.	May 3
May 9	Corry, Pa. Adv. May 3.	May 3
May 9	Phila., Pa.	May 3
May 9	Lisbon, N. D.	May 3
May 9	Binghamton, N. Y.	May 3
May 10	Elizabethtown, Tenn.	Apr. 26
May 10	Virginia	Apr. 26
May 10	Ellwood City, Pa. Adv. May 3.	May 3
May 10	Koutze, Tex.	May 3
May 10	Boston, Tex.	May 3
May 11	Westfield, N. Y. Adv. Apr. 19 to May 3	Apr. 19
May 11	Louisiana	Apr. 26
May 11	Illinois	May 3
May 11	Ellendale, N. D.	May 3
May 12	Idaho	May 3
May 14	East Orange, N. J.	May 3
May 14	Finley, N. D.	May 3
May 14	South Bend, Ind.	May 3
May 14	North Tonawanda, N. Y.	May 3
May 15	Starke, Fla.	Apr. 19
May 15	Onawa, Ia.	Apr. 19
May 15	St. Petersburg, Fla. Adv. Apr. 19 to May 3.	Apr. 19
May 15	St. Louis, Mo.	Apr. 26
May 15	Maryland Adv. May 3.	May 3
May 15	Georgetown, Tex.	May 3
May 15	South Bend, Ind.	May 3
May 15	Burbank, Calif.	May 3
May 16	Red Lake Falls, Minn.	May 3
May 16	Ebensburg, Pa.	May 3
May 16	New York Adv. May 3.	May 3
May 16	Delaware Adv. May 3.	May 3
May 16	San Francisco, Calif.	Apr. 26
May 16	Lakota, N. D.	May 3
May 17	Poughkeepsie, N. Y. Adv. May 3	May 3
May 17	Minot, N. D.	May 3
May 17	Newton, N. J. Adv. May 3.	May 3
May 21	St. Paul, Minn. Adv. May 3.	May 3
May 28	Akron, O.	May 3
May 29	St. Louis, Mo.	May 3

INDUSTRIAL WORK

May 5	Hartford, Conn.	May 3
May 7	Everett, Mass.	Apr. 26
May 9	Waterbury, Conn.	May 3
May 12	Hartford, Conn.	May 3
May 15	Bethlehem, Pa.	Apr. 19
May 15	Reading, Pa.	Apr. 26

BUILDINGS

May 5	Baltimore, Md.	May 3
May 7	Frederick, Md.	May 3
May 7	Bergenfield, N. J.	Apr. 26
May 7	Kansas City, Kan.	Apr. 26
May 7	Buffalo, N. Y.	Apr. 26
May 7	Elmira, N. Y.	Apr. 26
May 7	Pittsburgh, Pa.	May 3
May 8	Olympia, Wash.	Apr. 19
May 8	Glen Lake (Hopkins P. O.), Minn.	Apr. 26
May 8	New Britain, Conn.	May 3
May 8	Hartford, Conn.	May 3
May 8	St. Albans (Jamaica P. O.), N. Y.	May 3
May 8	Electra, Tex.	May 3
May 8	Brooklyn, N. Y.	May 3
May 9	Newcomerstown, O.	May 3
May 9	Oshawa, Ont.	May 3
May 10	Pasadena, Calif.	May 3
May 10	Pleasantville, O.	Apr. 19
May 10	Mt. Vernon, O.	Apr. 19
May 10	Athens, O.	Apr. 26
May 10	Clearfield, Pa.	Apr. 26
May 10	Clearwater, Fla.	May 3
May 11	Hornell, N. Y.	Apr. 26
May 12	Racine, Wis.	Apr. 26
May 12	St. Thomas, Ont.	May 3
May 12	Waterbury, Conn.	May 3
May 14	Syracuse, N. Y.	Apr. 26
May 15	Hightstown, N. J.	Apr. 26
May 15	Toronto, Ont.	May 3
May 17	Pulaski, Wis.	Apr. 26
May 17	Columbus, O.	May 3
May 19	Ferndale, Pa.	May 3
May 22	Old Forge, N. Y.	Apr. 26
May 26	Columbus, O.	Apr. 26
May 28	Cleveland, O.	May 3
May 28	Byesville, O.	May 3
May 29	Stockton, Calif.	May 3
June 1	Morgantown, W. Va.	Apr. 12

FEDERAL GOVERNMENT WORK

May 5	Metal Work — Louisville, Ky. Adv. Apr. 26 and May 3	Apr. 26
May 7	Boilers—Oteen, N. C.	Apr. 12
May 7	Dredging—Metuchen, N. J.	Apr. 26
May 8	Boiler — Saratoga Springs, N. Y.	Apr. 12
May 8	Road—Oregon	May 3
May 9	Underpinning Chimney—Phila., Pa.	Apr. 19
May 9	Water Supply, etc. — St. Cloud, Minn. Adv. Apr. 26 and May 3	Apr. 19
May 9	Engine Testing Room—Phila., Pa.	Apr. 26
May 9	Roads and Bridge—Utah.	May 3
May 10	Post Office — Cordova, Alaska	Jan. 25
May 10	Mailing Platform — Detroit, Mich.	Apr. 19
May 10	Road—Arizona	May 3
May 11	Dredging — New York, N. Y. Adv. Apr. 19 to May 3	Apr. 12
May 11	Bear Trap Leaves—Louisville, Ky. Adv. Apr. 12 to May 3	Apr. 12
May 11	Quarters—Mobile, Ala.	Apr. 19
May 11	Boilers—Binghamton, N. Y.	Apr. 19
May 12	Metal Work—Key West, Fla.	Apr. 12
May 12	Bridge—Arizona	May 3
May 14	Dredging — Wilmington, Del. Adv. Apr. 19 to May 3	Apr. 19
May 14	Repairs—Perryville, Md.	Apr. 26
May 17	Road—New Mexico	May 3
May 18	Dredging — Los Angeles, Calif.	May 3
May 21	Post Office — Houghton, Mich.	Apr. 26
May 21	Scows—Wilmington, Del. Adv. Apr. 26 and May 3	Apr. 26
May 21	Levee—St. Louis, Mo.	May 3
May 22	Steel Hull — Vicksburg, Miss. Adv. Apr. 26 and May 3	Apr. 26
May 22	Post Office—Phoenixville, Pa.	May 3
May 23	Roads—San Diego, Calif.	Apr. 26
May 23	Storehouse—Pearl Harbor, H. T.	Apr. 26
May 24	Dredging, etc. — Chicago, Ill. Adv. Apr. 26 and May 3	Apr. 26
May 25	Hull, etc.—Louisville, Ky. Adv. Apr. 26 and May 3	Apr. 26
May 31	Dredging—Milwaukee, Wis. Adv. May 3.	May 3
May 31	Hospital—Rutland, Mass.	May 3
May 31	Dredging — Providence, R. I. Adv. May 3.	May 3
June 8	Dredging—Phila., Pa. Adv. May 3.	May 3
June 13	Refrigerating Machinery—Pearl Harbor, H. T.	Apr. 26

MISCELLANEOUS

May 5	Rein.-con. Pipe—South Carolina	May 3
May 7	Cement, etc. — Oroville, Calif.	Apr. 26
May 7	Tar, etc.—Trenton, N. J. Adv. Apr. 26 and May 3	Apr. 26
May 7	Pier—New York, N. Y.	May 3
May 7	Heating and Ventilating Apparatus, etc. — New York, N. Y.	May 3

Bids Close		See Eng. News-Record
May 7	Heating and Ventilating Apparatus, etc. — Brooklyn, N. Y.	May 3
May 7	Heating and Ventilating Apparatus, etc. — Astoria, N. Y.	May 3
May 8	Road Oil—Fresno, Calif.	Apr. 19
May 8	Steel—Flushing, N. Y.	Apr. 26
May 8	Underground Fire Alarm System—New York, N. Y.	May 3
May 9	Subway—Rochester, N. Y. Adv. Apr. 26 and May 3	Apr. 26
May 9	Iron Casting — Baltimore, Md.	May 3
May 10	Asphalt Cement — Milwaukee, Wis.	May 3
May 11	Gravel—Baton Rouge, La.	Apr. 26
May 11	Levee—Illinois.	
May 11	Gravel—Baton Rouge, La.	May 3
May 14	Chimney—Norfolk, Va. Adv. Apr. 26 and May 3	Apr. 26
May 14	Road Oil—St. Paul, Minn.	May 3
May 15	Cement, Paving Block, etc. —Wash., D. C.	May 3
May 16	Retaining Walls — Freehold, N. J. Adv. May 3.	May 3
May 17	Bulkhead, etc. — Newark, N. J. Adv. May 3.	May 3
May 18	Shaft—New York	Apr. 26
May 22	Subway — New York, N. Y.	May 3
May 23	Steel Penstock and Accessories —San Francisco, Calif. Adv. Apr. 26 and May 3	Apr. 19
June 1	Pier—Charleston, S. C. Adv. Apr. 26 and May 3	Apr. 26

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford—Colts Patent Fire Arms Co., Huyshope Ave., plan 40 x 60 ft, concrete reservoir, 7 ft. deep, 100,000 gal. capacity. $60,000. Private plans.

N. Y., Albany—Bd. Pub. Wks. plans to improve filtration plant, etc. To exceed $30,000. F. A. Raven, comr.

N. Y., Hammondsport — Bd. Village Trustees plans additions and repairs to water system. $20,000. Address J. H. Brown, supt. Pub. Wks. and Safety.

N. Y., Fairport—Bd. Village Trustees had plans prepared reservoir and gravity system water supply. $325,000. J. P. Wells, 249 Cutler Bldg., Rochester, civil engr. Noted Mar. 22.

N. Y., Saranac Lake — Bd. Village Trustees plans increasing water supply.

N. Y., Syracuse—Bureau Water plans new high pressure water system from Onondaga Hill reservoir to congested business district. To exceed $15,000. P. F. Durkin, supt.

N. C., Chapel Hill—University of North Carolina appropriated $120,000 for permanent water supply system. H. W. Chase, pres. T. A. Atwood Corp., Chapel Hill, engrs.

N. C., Graham—Graham Water Comn. had plans prepared and soon lets contract 62 x 102 ft. rein.-con. reservoir, 12 ft. deep, galvanized roof, near pumping station. S. T. Johnston, chn.

O., Bedford—Takes bids in summer c.i. mains in various streets. $150,000. E. P. Wright, Town Hall, engr.

O., Columbus—Plans 28,595 ft. 4-8 in. c.i. mains in Mock Rd., Wilson Pl., Sunset and Westwood Drives, Gates and Mithoff Sts., Karby, Wilson, Thruman, Linwood, Studer, Eureka, Ray, 4th, Cordell, 14th, Thurlow, Stevens, Manhattan, Jefferson, Neil, Leona and 26th Aves. $57,190. R. H. Simpson, city engr.

O., Columbus—Making plans 13,625 ft. c.i. mains in Westwood Dr., Gates St., Thurman, Stevens, Jefferson, Wilson, Linwood and Studer Aves., $26,340; grading, curbing, laying necessary water services and sewer connections and paving 2,553 ft. Milton Ave., alley north of Gates St., alley north of 18th Ave. and alley west of Summit St., brick, concrete or asphalt. R. H. Simpson, city engr.

O., Cuyahoga Heights (Cleveland, P. O.) —See "Sewers."

Minn., Willmar—See "Industrial Works."

Minn., Owatonna — See "Contract Awarded."

N. D., Bismarck—Plans waterworks system. $706,000. T. A. Atkinson, city engr.

N. D., Hankinson — Plans waterworks system. $51,000.

S. D., Esmond—Having plans prepared water works system. $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Mo., King City—Making plans new water system. $70,000 bonds voted. A. T. Archer & Co., 609 New England Bldg., engrs.

Mo., Oran—May 15, to vote on $42,000 bonds for 22,800 ft. 4-8 in. c.i. mains, 29 fire hydrants, fourteen 4-8 in. valves, 60,000 gal. concrete reservoir or 60,000 gal. steel tank on tower, etc.; $23,000 bonds electric light improvements. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr. Noted Apr. 5.

Mo., Piedmont—Making plans waterworks and distribution system, pumping units for 30,000 gal. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr.

Tex., San Angelo—Water, Light & Power Co. making plans and takes bids in 60-90 days, filter plant 5 units, 8 x 24 ft., 2,500,000 gal. daily capacity. $50,000. Private plans.

Okla., Maysville—Town Clerk takes bids about June 1, waterworks system, tank, tower and pump, 15,000 4-8 in. c. i. pipe. $35,000 bonds voted. Macintosh Co., 1st Natl. Bank Bldg., Oklahoma City, engrs.

Okla., McAlester — Having preliminary plans prepared waterworks improvements. $500,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Wash., Tacoma—Plans to lay 16 in. main to replace 12 in. in East 11th St. $20,850. J. C. Manley, city engr.

Calif., Alhambra—City plans waterworks extensions. $250,000. T. B. Downer, city engr.

Calif., Willows—See "Excavation, Drainage, Irrigation."

Ont., Cochrane — Plans filtration and chlorination plant. $25,000 to $50,000. Engineer not selected.

Ont., Durham—Plans waterworks system, incl. 30,000 ft. c. i. mains, mostly 6 in., centrifugal pumps, pumphouse, reservoir or tank, etc. $75,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Liberty—May 14, by Bd. Water Comrs., at office of T. S. Kessler, village clk., c.i. mains and specials. H. W. Taylor, 149 Bway., New York City, engr.; adv. this issue.

N. Y., Jamestown—May 10, by Bd. Water & Light, City Hall, for 1,000 ft. 4 in. and 8,000 ft. 6 in. c. i. pipe and 10,000 lb. fittings.

O., Columbus—See "Sewers."

O., Cleveland—May 25, at office of Commissioner Purchases & Supplies, 219 City Hall, coagulation basins, Contr. 44. A. V. Ruggles, comr. water; adv. this issue.

O., Wadsworth—See "Sewers."

Ill., Canton—May 14, by city, artesian well. $40,000. E. F. Motzinger, Canton, engr.

Ill., Mt. Greenwood — May 18 by Bd. Local Impvts., c.i. mains, etc. A. H. E. Grant, pres.; adv. this issue. Noted Mar. 29.

Ill., Western Springs — Receiving bids waterworks addition. $35,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Apr. 12.

Ia., Coulter—May 8, for waterworks system, incl. 8 in. well, 125 ft. deep, 1,580 lin.ft. 6 in. and 3,740 lin.ft. 4 in. c.i. pipe, 40,000 gal. steel tank on 100 ft. tower, pump, etc. $15,000. H. R. Green Co., Cedar Rapids Savings Bank Bldg., Cedar Rapids, engrs.

Ia., Traer—May 18, for 80,000 gal. steel tank and 2½ mi. 4-10 in. mains. C. P. Chase, Clinton, engr. Noted Feb. 8.

Kan., Gaylord—May 15, by J. P. Boesche, city clk., waterworks system. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.; adv. this issue.

Mo., Jasper—A. C. Moore, engr., 222 Independent Bldg., Joplin, soon takes bids mains, buildings, deep well, tower, tank, etc., for city. $40,000.

Neb., Chester—May 7, by Village Bd., waterworks system, incl. 12,250 lin.ft. 4 in. and 3,120 lin.ft. 6 in. c.i. pipe, one 8 in. well, 150 ft. deep, one 40,000 gal. steel tank on tower, 90 ft. high, etc. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Ark., Ft. Smith—Kiersted & Stringfellow, engrs., 611 Interstate Bldg., Kansas City, Mo., taking bids extension to mains and laterals, 3,000,000 gal. high service reservoir, equipment, etc., for city. Noted Mar. 8.

Tex., Cranbury—May 9, by A. T. Keith, mayor, and City Council, light and waterworks equipment. Municipal Eng. Co., 715-16 Praetorian Bldg., Dallas, engrs.; adv. this issue.

Tex., Georgetown—May 15, Comrs. Williamson Co., bituminous surfacing 140,000 sq.yd. Highway 2-C, from [illegible] to Bell Co. line. $130,000. R. A. Nichols, co. engr.

BIDS RECEIVED

O., South Euclid—For c. i. mains in Emerson and Liberty Rds., from Joseph & Co., 877 Orange Ave., Cleveland, $4,108 and $10,255 respectively; Prasse, Teihurst and Rainbow Rds., from A. Marra, Ulmer Bldg., Cleveland, $5,720, $4,210 and $2,857 respectively; Liberty Ave., from Console & Palermo Constr. Co., Benwood Ave., Cleveland, $12,927. Work involves 9,767 ft. 4 and 8 in. pipe.

Calif., Costa Mesa—Newport Heights Irrigation Dist., furnishing and laying double dipped and wrapped steel pipe, from Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, $107,035; furnishing 734,000 gal. riveted steel stand-pipe, from Chicago Bridge & Iron Wks., Rialto Bldg., San Francisco, $17,350. Noted Apr. 12.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., hauling and setting valves and hydrants in various streets, to Wataga Contg. Co., $39,000; mains in Bway., Amsterdam, 10th and 11th Aves., West 51st st., 54th, 57th Sts., etc., to Beaver Eng. Co., 57 Chambers St., $94,410. Noted Mar. 22.

N. Y., New York—Bd. Purch., Municipal Bldg., furnishing delivering, unloading, stacking and storing c. i. pipe, special and valve box castings, valves and double nozzle fire hydrants, to Kennedy Valve Mfg. Co., 95 John St., $94,390. Noted Mar. 22.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Webster Ave., Bronx Boro, to Norton Eng. Co., 510 West 149th St., $42,000. Noted Apr. 5.

N. Y., Poughkeepsie—Bd. Pub. Wks., Eastman Park Mansion, reconstructing pumping station, to L. Chevalier, Inc., 207 East 43rd St., New York City, $34,882. Noted Apr. 19.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Midland and Maple Aves., 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th Sts., here, to Knight & Demicco, 448 East Tremont Ave., New York City, $29,492. Noted Apr. 12.

N. C., Marshville—See "Sewers."

Tenn., Fayetteville — For 1,000,000 gal. concrete reservoir, to F. M. Brogan Constr. Co., Fayetteville, $15,000. Noted Mar. 22.

Ala., Birmingham—Alabama Water Co., Amer. Trust Bldg., will construct 12 in. mains in North Birmingham from 29th St. and 21st Ave. to 27th St. and 29th Ave., by day labor. $16,000.

O., Cleveland — For superstructure of pumping station, 1 story, 180 x 193 ft., 67 ft. high, brick, steel and concrete, at Fairmount Pumping Sta., to Schirmer O'Hara Co., 2031 Euclid Ave., $516,568. Noted Mar. 29.

O., Mariemont—See "Sewers."

Ill., Altamont—For 24,485 ft. 4 in. and 5,520 ft. 6 in. c.i. pipe, etc., to Monie-Dunbar Constr. Co., Chemical Bldg., St. Louis, Mo., $36,610. Noted Apr. 19.

Ill., Astoria—Complete waterworks and distribution system, incl. 2 filter units, 100,000 gal. each, 4 centrifugal pumps, dam, 2 mi. 4 in. and 2 mi. 6 in. c.i. pipe, etc., to Nixon & Keeley, 22nd and State Sts., East St. Louis. Noted Apr. 26.

Minn., Owatonna—For 500,000 gal. tank and tower, concrete and steel, to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, Ia., $31,375. Bids later on 1,500,000 gal. concrete reservoir, $40,000. Noted Apr. 4.

Minn., St. Paul—For 8,000 bbl. portland cement to Thompson Yards, Inc., 2694 University Ave., and 10,000 bbl. to St. Paul Builders Material Co., 605 Ryan Bldg., $2.54 per bbl. net, f.o.b. cars; 10,000 cu.yd. gravel and 5,000 cu.yd. sand for Water Dept., to J. L. Shiely Co., 305 Dakota Bldg., $2.75 and $1.50 respectively. Noted Apr. 19.

S. D., Blunt — Waterworks system, to Bruce-Bickelhaupt Co., Yankton, $24,492.

Wash., Longview—Long-Bell Lumber Co. water system for town, involving 56,000 lin. ft. 6-24 in. c.i. mains, 13,000 cu.yd. excav., to J. Payne, Kelso. Engrs. est. $100,000.

Sewers

PROPOSED WORK

Conn., Middletown — Pub. Wks. Dept. plans 10,000 ft. 8 in. sewer, vitr. clay and tile. $40,000. J. W. Mylchrest, 255 Main St., dir.

Sewers (Continued)

N. Y., Albany—See "Miscellaneous."

N. Y., Corning—Bd. Pub. Wks. plans to extend storm water and sanitary sewerage system. $30,000.

N. C., Chapel Hill—University of North Carolina plans sewers, heating and lighting systems. $115,000. H. W. Chase, pres. T. A. Atwood Corp., Chapel Hill, engrs.

O., Akron—W. E. Peters, dir. Pub. Serv., opens bids about May 21, 5,100 ft. 48 in. brick sanitary outlet sewer in Hawkins Ave., 35-75 ft. below surface of ground. $400,000. J. E. Root, Delaware Bldg., engr.

O., Bedford—Takes bids in summer vitr. clay or segmental block sewers in various streets. $100,000. E. P. Wright, Town Hall, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring inverted siphon across West 73rd St. bridge and Ridge Rd., outfall sewer from north end West 73rd St. bridge to connect with West 65th St. and Barberton Ave. sewer. $150,000. R. F. MacDowell, Court House, engr.

O., Columbus—See "Waterworks."

O., Cuyahoga Heights (Cleveland, P. O.)—Plans storm and sanitary sewers and water mains in Grant Ave. $40,000. Hecker & Irish, 905 Leader News Bldg., Cleveland, engrs.

O., Cuyahoga Heights (Cleveland, P. O.)—Takes bids in summer sewers in factory districts. $30,000. Hecker & Irish, Leader-News Bldg., Cleveland, engrs.

Mich., Detroit—Had plans prepared 3,485 ft. Warren Ave. Arm East, Sect. 1, Connors Creek Sewer, 4 ft. to 5 ft. 6 in. cylinder; 3,175 ft. Warren Ave. Arm. East Sect. 2, Ashland Ave. Sewer, 4 ft. to 6 ft. 3 in. cylinder; 2,665 ft. Warren Ave. Arm East Sect. 3 Ashland Ave. Sewer, 4 ft. to 5 ft. 9 in. cylinder; 4,247 ft. Warren Ave. Arm East Sect. 4, Bedford Rd. Sewer, 4 ft. to 4 ft. 6 in. cylinder; 1,218 ft. 2 ft. 8 in. x 4 ft. brick sewer in Clayton Ave. Arm Central Ave. Sewer. J. W. Reid, city engr.

Wis., Reeseville—Making plans sanitary and storm sewers, vitr. clay. $30,000. E. B. Parsons, Jefferson, engr.

Kan., Madison — Making plans complete sewerage system and disposal plant. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

S. D., Alcaster—Having plans prepared sanitary sewerage system and disposal plant. $30,000. T. H. Johnson, 319 Iowa Bldg., Sioux City, Ia., engrs.

Mo., St. Louis—Soon lets contract for Sublette Ave. sewer, 19,635 cu.ft. brick masonry, 345 ft. 12-25 in. vitr. pipe, 3,575 lb cast iron, etc., $30,000; Harlem Creek Dist. Sewer 18, 8,755 ft. 8-30 in. vitr. pipe, 1,260 ft. 36 and 42 in. segmental block pipe, 22,425 lb. cast iron, etc., $43,600; Arlee Creek Dist. Sewer 3, 4,045 ft. 8-18 in. vitr. pipe, 7,560 lb. cast iron, etc., $13,000; Ohio Ave. Dist. Sewer 26,305 ft. 8 and 12 in. vitr. pipe, 1,180 lb. cast iron, etc., $1,100; Rock Creek Sewer Dist. 8, 4,080 ft. 12-24 in. vitr. pipe, 8,300 lb. cast iron, etc., $18,000. W. W. Horner, city engr.

Tex., Merkle—City Com. takes bids in summer disposal plant and sanitary sewers. $60,000 bonds voted. A. D. Howerene, Amarillo, engr. Noted Mar. 29.

Utah, Price—Plans 3 mi. 6-15 in. tile sewers, 31 manholes and flush tanks, in Northeastern section. F. S. Dunlevy, P. O. Box 132, engr.

Calif., Huntington Park—Plans to vote on $250,000 bonds sewerage system, disposal and treatment plants.

Calif., Marysville — Plans improving sewerage system, 3 plans under consideration (1) temporary relief, placing settling tanks having life of 5 years, $30,000 (2) sprinkling filters, $60,000 (3) activated sludge system to care for 1 m.g. per day, $70,000-$75,000.

Calif., Newport Beach—Plans sewage disposal plant. $145,000.

Calif., Reedley—Plans to improve sewage disposal plant. $100,000-$140,000.

Ont., Cochrane—Plans extending sewers, 8,000 ft. vitr. pipe, mostly 8 in. $25,000 to $35,000. Engineer not selected.

Ont., Thorold—Had plans prepared 8-9,000 ft. relief sewer in Regent St., vitr. tile and concrete pipe, 12 in. up. $35,000. F. N. Rutherford, Queen St., St. Catharines, engr.

B. C., Vancouver—June 16 to vote on $250,000 bonds for new sewers in various streets. F. L. Fellowes, city engr.

BIDS DESIRED

Conn., Hartford—May 15, by Bd. Contract and Supply, rein.-con., vitr. segment block and tile sewers. R. N. Clark, city engr.; adv. this issue.

Pa., Johnstown—See "Streets & Roads."

Pa., Pottstown—May 7, at office M. L. Seasholtz, secy. of Council, sanitary sewers. Gannett, Seelye & Fleming, Inc., 1 Market Sq., Harrisburg, engrs.; adv. this issue.

O., Ashtabula—May 9, at office of W. M. Cotton, city mgr., for West St. Storm Drain. G. B. Gascoigne, 648 Leader News Bldg., Cleveland, engr.; adv. this issue.

O., Cleveland—May 10, sewer in East 185th St. To exceed $25,000. R. Hoffman, city engr.

O., Columbus.—May 15, by R. W. Smith, clk., Franklin Co., joint intercepting sewer, 2,248 ft. 39 in., 1,296 ft. 33 in., 12,704 ft. 30 in. and 4,498 ft. 24 in. segmental block or concrete pipe, etc., Contr. 3, $165,000; East Main Branch Sewer, 2,182 ft. 24 in., 2,122 ft. 18 in., 7,437 ft. 15 in., 6,650 ft. 12 in. and 1,176 ft. 10 in. vitr. pipe, Contr. 5, $60,000; 1,072 ft. 6 in. water mains in Sewer Dist. Clinton 2, Contr. 20, $2,000; 1,270 ft. 6 in. c. i. mains in Sewer Dist. Clinton 2, Clemont Ave. area, Contr. 31, $2,700. E. G. Bradbury, 406½ South High St., engr.

Ind., South Bend—May 15, by Bd. Pub. Wks., 2,520 lin.ft. 24-42 in. circular and 4,947 lin.ft. 8-22 in. vitr. sewer in Lafayette and Jefferson Blvds. $74,438. F. J. Anderson, City Hall, engr.

Ill., Park Ridge—May 8 for sewers. $25,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engr.

Ill., Western Springs — Receiving bids sewers. $35,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Oct. 19.

Mo., Richmond Heights (St. Louis, P. O.)—H. Prettyman Co., United Home Building, St. Louis, taking bids 20,000 ft. 8-24 in. vitr, sewers in Pennsylvania Park subdivision, here. $25,000. Pitzman Surveying & Eng. Co., 615 Chestnut St., St. Louis, engrs.

Calif., Ukiah—City Trustees taking bids and open same about May 10, 6,485 lin.ft. 6 in. vitr. sewers, 2,500 cu.yd. excavating and backfilling, etc. R. E. Donohoe, city engr.

BIDS RECEIVED

N. Y., Buffalo—Commissioner Pub. Wks., Apr. 24, for 33 ft. 6 in. and 32 ft. 6 in. rein.-con. drain to care for storm water at Scajaquada Creek, from F. L. Cohen, Inc., Prudential Bldg., $1,379,233. Noted Mar. 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 30, sewers in (1) Bliss St. (2) 95th St. (3) 95th Ave. (4) Kimball Ave. (5) 84th St. (6) 84th St., from Green Contg. Co., 734 Vernon Ave., Astoria, (1a) $13,-307; D. Bonnacci, 672 Degraw St., Brooklyn, (1b) $8,194 (2b) $6,101 (3b $22,853 (5b) $29,369; Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, (2a) $6,372 (4a) $9,663 (5a) $41,196; F. J. Kelly, Inc., Flushing, (6b) $23,400. Noted Apr. 26.

Pa., Phila.—F. H. Caven, dir. pub. wks., Apr. 25, 4 in. concrete sewer in Johnson St. from Marvine to B Sts., from Lombardi & Co., Lincoln Bldg., $25,825. Noted Apr. 19.

Md., Baltimore—For 1.08 mi. sewers, Storm Water Contr. 57, from Ryan Constr. Co., 735 Real Estate Trust Bldg., Philadelphia., $107,003.

O., Cleveland—For 5,595 ft. 12-24 in. vitr. clay, 320 ft. 2C and 320 ft. 3C brick sewers in Prince Ave. from J. Lahnom, 1133 East 71st St., $26,228, Melba Ave. from G. Dewish, Cleveland (street address not available), $8,498, East 117th St. and War Ave., from Kassouff & Co., 3182 West 25th St., $2,644 and $6,128 respectively, Schiller Ave. from Water & Sewer Impvt. Co., 10923 Detroit Ave., $3,595.

O., Cleveland—Cuyahoga Co., 17,613 ft. 18-30 in. vitr. tile sewer in Ridge Rd. Impvt. 9, from D. Zullo, 10614 Frank Ave., $233,273.

Calif., Mayfield — Sanitary sewers, incl. 5,500 lin.ft. 6 in. vitr. pipe, 29,000 lin.ft. 4 and 6 in. c. i. pipe, etc., from W. J. Tobin, 527 Santa Ray Ave., Oakland, $39,000.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 147th and Summitt Sts., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $2,844 and $4,109 respectively; 131st St., to Seaside Contg. Co., Inc., 193 Beach 108th St., Rockaway Beach, $6,775; Metropolitan and Weisse Aves. and temporary drain in Jamaica Ave., to A. Paino, 32 Court St., Brooklyn, $15,675, $93,443 and $14,249 respectively; Darrow St., to Spinella & Muccinni, 6102 18th Ave., Brooklyn, $42,223; sheet asphalt paving Woodbine St., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $6,848; grading sidewalk space on 109th Ave., to J. J. O'Brien, Jr., William St., Jamaica, $368. Noted Apr. 26.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, local sewer connections in Montgomery St. and sewage controlling apparatus in Mulberry St. connection chamber, etc., to Spencer, White & Prentis, Inc., 47 West 42nd St., New York City, $21,890. Noted Apr. 26.

N. C., Marshville—Sewerage and waterworks systems, to J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., $75,000.

O., Akron—W. F. Peters, dir. Pub. Serv., to Schroeder & Caputo Constr. Co., 1950 West Federal St., Youngstown, 1,825 lin.ft. 8-20 in. vitr. sewer in South Arlington St., Contr. 3, $6,364, South Main and Emeling Sts., 1,590 lin.ft. 30 in. brick $6.50 per lin.ft., 1,020 lin.ft. 36 in. brick pipe $6.50, total $25,158, engrs. est. $30,000, South Arlington St. Dist., Contr. 5, 2,085 lin.ft. 30 in. and 520 lin.ft. 36 in. brick pipe $6, 2,960 lin.ft. 8 in. vitr. pipe $2.60, 1,015 lin. ft. 12 in. vitr. pipe $2 50, total $46,018, engrs. est. $55,000, South Arlington St. Dist., Contr. 3, 1,195 ft. 8 in. $1.50, 560 ft. 12 in. $2.50, 320 ft. 15 in. $2.75, 655 ft. 18 in. $3 and 360 ft. 24 in. $4.50, all foregoing vitr. pipe, engrs. est. $25,000; to H. T. French Constr. Co., 683 Noah Ave., West Market St. Outlet sewer, 365 ft. 30 in. $19, 285 ft. 54 in. $24, 2,695 ft. 63 in. open cut $25,460 ft. 63 in. in tunnel $68, etc., all foregoing brick pipe, total $135,905, engrs. est. $130,000. Noted Apr. 26.

O., Mariemont—For 78,700 lin.ft. 6-18 in. vitr. sewers, 51,200 lin. ft. 6-30 in. vitr. and 7,900 lin.ft. 33-66 in. rein.-con. drains, etc., to J. L. Walker Co., 231 Court St., Hamilton, $375,085; 74,550 lin.ft. 4-16 in. c. i. water mains, etc., to Crumley, Jones & Crumley, 2301 Concord St., Cincinnati, $281,127. Remaining 9 items divided between these 2 contractors.

O., Youngstown—Mahoning Co., vitr. and concrete sewerage system in Boardman Dist., Sect. 1 to Turner Contg. Co., Park Theatre Bldg., $28,699; Sect. 2 to Turner Constr. Co., 242 Madison Ave., New York City, $52,108; Sect. 3 to F. George, 1657 Mahoning Ave., $83,151; Sect. 4 to Grubb & Andrews, Youngstown (street address not available), $48,210. Noted Mar. 22.

Wis., Milwaukee — Sewers in various streets to Szukalski & Matke, 1089 Amer. Ave., Adams Ave. $1,457, Arctic Ave. $429, Indiana Ave. $470, Kinnickinnic Ave. $4,080, New York Ave. $890, Pennsylvania Ave. $1,622; to W. T. Werner, 675 Hi Mount Blvd., Fernwood Ave. $7,262, 55th St. $8,985. Noted Apr. 12.

Wis., Wauwatosa—Metropolitan Sewerage Comn., 508 Market St., Milwaukee, main sewer from end of contract 1 in State St. to county institutional buildings, to G. E. Zimmerman, 3402 Grand Ave., Milwaukee, 3,720 ft., 36 in. concrete sewer $31 per lin.-ft., 4,900 ft. 24 in. terra cotta pipe $26, 366 vertical ft. manholes, $22, total $247,112.

Wash., Longview—Long-Bell Lumber Co., sanitary sewer, 45,000 cu.yd. excav., 29,000 lin.ft. 8-30 in. pipe, to Bardsen & Co., Butte, Mont.; storm sewer, 26,000 cu.yd. excav., 39,000 lin.ft. 10-54 in. pipe, to J. D. Hanley, 1316 Rodney St., Portland, Ore. Engrs. est. $150,000. Noted Oct. 5.

Que., Montreal—Sewer in Patricia and Tiffin Sts., to A. Thezand, 885 St. Catherine St. E., $11,582 and $1,012 respectively; Decarie Blvd., Faillon and Boyce Sts., to Toussaint Bros., 383 St. Denis St., $2,463, $2,123 and $1,457 respectively; St. Zotique St., to P. DeSantis, 3929 St. Hubert St., $4,521; Eadie St., to C. Frascarelli & Co., 654 Berri St., $18,177. Noted Apr. 26.

Bridges

PROPOSED WORK

Conn., Saybrook—State Hy. Dept., Hartford, and New York, New Haven & Hartford R.R., New Haven, plan 100 ft. bridge over Ferry and Hartford Rds., 7 spans, concrete and steel, here. $55,000. C. J. Bennett, state highway engr.

N. J., Newark—Essex Co. having plans prepared extending present 12 ft. single arch brown stone bridge by means of 12 ft. single span rein.-con. flat slab bridge, also removing two 12 ft. arches of rubble masonry and replacing with 28 ft. single span I beam encased in concrete, Livingston Twp. To exceed $25,000. W. A. Stickel, co. engr.

O., Cleveland—Cuyahoga Co. plans bridge over Cuyahoga River on East 71st St. To exceed $100,000. A. M. Felgate, Court House, engr.

Indianapolis—State Hy. Dept., Indianapolis, plans 600 ft. steel truss bridge over Muscatatuck River, four 150 ft. spans. $90,000. W. J. Titus, state bridge engr.

Ind., New Albany—See "Railways" under "Indiana."

Bridges (Continued)

Minnesota—Hennepin Co. (Minneapolis) plans 4,200 ft. steel bridge over Minnesota River, near Mendota. $1,000,000. J. W. Shaffer, co. surv.

Kan., Troy—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans one 70 ft. steel truss, Ripley Co.; one 20 ft. rein.-con. slab, Atchison Co.; one 40 ft. deck girder, Mercer Co.; six 20 ft. rein.-con. slab and one 80 ft. steel truss spans, Monroe Co.; one 60 ft., one 80 ft. and one 140 ft. steel truss spans, Monroe Co.; one 70 ft. steel truss, Texas Co.; three 40 ft. I-beam spans, Pemiscot Co.; three 16 ft. rein.-con. slab spans, St. Clair Co.; one 70 ft. steel truss, Ripley Co.; two 140 ft. and two 80 ft. steel truss spans, Hickory Co.; two 35 ft. rein.-con. deck girder spans, Texas Co.; all 20 ft. roadways. B. H. Peipmeier, state highway engr.

Mo., St. Louis—See "Streets and Roads."

Tex., Beaumont—See "Streets and Roads."

Tex., Beaumont — Jefferson Co. making plans 426 ft. concrete and steel bascule span, over Neches River. $282,000. A. C. Love, co. engr.

Tex., McKinney—See "Streets and Roads."

Ont., Lakefield — Peterboro Co. having plans prepared rein.-con. bridge near here, probably arch truss type or concrete arch, 100 ft. long, 20 ft. wide. $25,000. A. W. Connor, 34 Victoria St., Toronto, engr.

BIDS DESIRED

N. C., Kenansville—May 14, by Duplin Co. Highway Comn., 4 bridges near Calypso and 6 near Wallace, creosoted, about 950 lin.ft., average pile about 20 ft. J. J. Bowden, secy.

S. C., Walhalla — May 22, by Superv. Oconee Co., rein.-con. and steel bridge over Tugalo River on Westminster-Toccoa Rd., between Oconee Co. and Stelphens Co., Ga., three 150 ft. steel spans, one 35 and one 50 ft. slab approaches.

Florida — May 15, by State Rd. Dept., Tallahassee, 896 ft. concrete bridge over Sebastian River, Project 39 S, between St. Lucie and Brevard Counties, incl. 76 ft. steel deck girder span, hydraulic fill for both approaches, 1,304 ft. long. W. F. Cocke, state highway engr.

Ind., Monticello — May 15, at Comrs. White Co., Courthouse, raising 10 steel bridges over Tippecanoe River and tributaries. $55,000. P. Ward, co. engr. R. M. Freeman, 8 West 40th St., New York City, consult. engr.; adv. this issue.

Illinois—May 11, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, rein.-con., concrete and steel bridges, superstructures, etc., 37,081 cu.yd. concrete, 2,595,970 lb. steel, etc. C. Older, ch. highway engr.

Ill., Chicago—May 24, by H. E. Wallace, clk., at office Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure of double leaf trunnion bascule bridge (Strauss type) over Main Drainage Channel; adv. this issue.

Minn., Red Lake Falls — See "Streets and Roads."

Wash., La Center—July 31, by State Hy. Comn., Olympia, 14,000 ft. rein.-con. bridge over Lewis River, here, 1 main arch over river and remainder short spans, 20 ft. roadway, 4 ft. sidewalks. $100,000. J. Allen, state highway engr. Noted Dec. 28.

Ontario — May 8, by G. E. Stephenson, Walkerton, engr. Bruce Co., one 50 ft. rein.-con. girder span, 1 mi. from Ripley, also 90 ft. steel truss bridge 4 mi. east of Paisley. $30,000.

BIDS RECEIVED

S. C., Hampton—See "Streets and Roads."

Calif., Sacramento — Sacramento Co., furnishing 511,000 lb. structural steel and machinery for Steamboat Slough Bridge and Paintersville Slough Bridge, (a) furnishing steel per lb. (b) machinery per lb., from Moore Drydock Co., Balfour Bldg., San Francisco, (a) $0.0799 (b) $0.249; Union Constr. Co., Balfour Bldg., San Francisco, (a) $0.0681 (b) $0.37; United States Steel Products Co., Rialto Bldg., San Francisco, (a) $0.077 (b) $0.303. Noted Apr. 5.

CONTRACTS AWARDED

Fla., Dade City—Pasco Co., 10 rein.-con. bridges, to Lutch Bridge Co., Palatka, $53,467.

Fla., Quay—Quay Bridge Dist., 2,880 ft. wood trestle, 144 ft. steel drawspan on concrete pier, over Indian River, here, steel work to Austin Bros. Bridge Co., Hurt Bldg., Atlanta, Ga., $9,850; trestle and fill to Newman, Fletcher & Law, Vero, $19,398. Noted Mar. 29.

O., Bowling Green—Wood Co. for Oregon Rd. Bridge, to Standard Eng. Co., 2463 Bway., Toledo, $64,047. Noted Mar. 8.

Wis., Appleton—Cherry St. viaduct, to Wausau Iron Wks., Wausau, $218,951; Lawe St. bridge, to C. R. Meyer & Sons, 50 State St., Oshkosh, $56,947. Noted Apr. 26.

Illinois—See "Streets and Roads."

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., steel work for South Park Blvd. viaduct, to Stroebel Steel Constr. Co., 53 West Jackson Blvd., $266,740. Noted Apr. 5.

Ia., Davenport—Scott Co., to Federal Bridge Co., Bankers Trust Bldg., Des Moines, 1 slab, 1 I-beam and 5 box culverts, $16,036; W. D. Phelan & Co., Davenport, 6 box culverts, $8,862; L. Plumb, Wapello, 9 box culverts, $8,468; F. J. Smith, Tipton, 3 slab bridges and 8 box culverts, $10,496.

Ia., Mason City—Cerro Gordo Co. to A. Olson Constr. Co., Waterloo, one 70 ft. and one 90 ft. pony truss, $13,567; C. A. Hovlik, Mason City, one 16 ft. slab, one 100 ft. arch, one 40 ft. and one 50 ft. pony truss, $19,842.

Ia., Primghar—O'Brien Co., to G. Gardner, Sheldon, 3 pony trusses, 3 I-beam spans, and 3 box culverts, $21,928; Graves Bros., Melvin, 4 box culverts and 3 I-beams, $6,776; Pynchon Eng. Co., Sheldon, 13 box culverts and 1 pony truss, $9,444. Noted Mar. 29.

South Dakota—State Hy. Dept., Pierre, bridge on Project 124, Codington Co., to Schreiber Eng. Co., Watertown, $8,342; bridges on Project 119, Grant Co., Project 139 Roberts Co. and Project 117 Haakon Co., to Youngberg Constr. Co., Aberdeen, $2,420, $2,420 and $14,624 respectively. Noted Mar. 15.

Kan., Holton—See 'Streets and Roads."

Wyoming—State Highway Comrs., Cheyenne, one 123 ft., one 80 ft. and two 24 ft. concrete bridges, Federal Aid Project 116-B 11, Sheridan Co. to Security Bridge Co., 502 North 32nd St., Billings, Mont., $31,226. Noted Apr. 19 under "Streets and Roads."

California—F. E. Webb, Grand Central Terminal Bldg., New York City, et al., constructing 6 mi. drawbridge over San Francisco Bay from Little Coyote Point in San Mateo Co., to Alameda Co. shore, 20,000 tons reinforcing, 250,000 cu.yd. concrete, 4,000 tons structural steel and 7½ mi. paved highway approaches, to Coast Constr. Co., Crocker Bldg., San Francisco, $10,000,000. Noted Feb. 1.

Washington—See "Streets and Roads."

Wash., Chehalis—Lewis Co., 220 ft. steel bridge with concrete piers and timber approaches, over Chehalis River, near Claquato, to C. L. Graves, 2124 Montgomery St., Spokane, wood stringer, $29,572. Noted Apr. 4.

Ore., Astoria—State Hy. Com., Salem, single leaf bascule bridge, 100 ft. clear span, concrete piers and about 700 ft. pile trestle approach, on Roosevelt Highway, over Lewis and Clarke River, near here, to Pacific Bridge Co., foot of East Salmon St., Portland, $170,837. Noted Mar. 29.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, steel bridge superstructures between Barrie and Orillia, Contrs. 791 and 792, to Ontario Bridge Co., Crown Office Bldg., Toronto, $25,000.

Ore., Hillsboro—State Hy. Dept., Salem, rein.-con. bridge on Tualatin Valley Highway, over Daisy Creek, here, 730 cu.yd. concrete and 110,000 lb. reinforcing, to W. D. Hoffman, Amity, $28,720.

Dams

PROPOSED WORK

N. Y., Beacon—Voted $190,000 bonds for rein.-con. dam at municipal water supply station.

N. Y., Stewarts Landing (Dolgeville, P. O.)—Adirondack Power & Light Corp., 511 State St., Schenectady, plans new concrete dam and power house on East Canada Creek, here. To exceed $175,000.

Pa., Lilly—Summitt Water Co. plans 300 ft. rein.-con. dam, 5 ft. high. $50,000. P. Klemstine, supt.

Mo., Kansas City—Soon takes bids 340 ft. rein.-con. dam with 250 ft. spillway, 42½ ft. wide. $85,000. Harrington, Howard & Ash, Orear-Leslie Bldg., consult. engrs.

Okla., Sapulpa — City plans dam on Euchee Creek, 2,700 yd. excav., 2,400 yd. concrete, etc. $42,000. F. E. Lawrence, city engr.

Washington—See "Industrial Works."

Calif., Oroville — Thermalito Irrigation Dist. had plans prepared Concow dam, arch type, 75 ft. high, 240 ft. long on crest, to store 3,500 acre ft., involving 3,000 cu.yd. concrete. $50,000. S. J. Norris, ch. engr.

BIDS DESIRED

Nev., Yerington—May 9, by H. C. Dukes, secy. Walker River Irrigation Dist., Yerington, earth fill dam, to impound 42,000 acre-feet, 125,000 cu.yd. earthwork, 1,500 cu.yd. rein.-con. and 20,000 cu.yd. earth and rock excav. Cost to exceed $100,000.

CONTRACTS AWARDED

N. Y., Newburgh — W. J. McKay, city mgr., 2 dams about 2 mi. south of here, to Mapes & Erway, Warren, O. Noted Mar. 22.

Ind., Ft. Wayne—Movable dam and appurtenances in Maumee River, to I. E. Smith Constr. Co., Richmond. Noted Apr. 4.

Wis., Brokaw—Wausau Paper Mills, 500 ft. rein.-con. dam, 16 ft. head, 11 steel tainter gates, to W. E. Ule, Stevens Point. Noted Mar. 1.

Mexico, Sonora—For 3,300 ft. rock fill dam, 12 ft. high, 125 ft. wide, in addition to extension canal construction, to Richardson Constr. Co., Van Nuys Bldg., Los Angeles, Calif., to exceed $750,000. Owner's name withheld until plans are further advanced. Quinton-Code-Hill, Hollingsworth Bldg., Los Angeles, Calif., engrs.

Railways

PROPOSED WORK

North Carolina—Bd. Trustees State University, Chapel Hill, appropriated $65,000 for 1 mi. line from depot at Chapel Hill to University power house. T. A. Underwood Corp., Chapel Hill, engrs.

Pennsylvania — Scranton, Montrose & Binghamton R.R., 227 Wyoming Ave., Scranton, plans to relay steel rails in North Scranton and also move tracks at 2 points. $25,000.

Kentucky—Louisville, Henderson & St. Louis Ry. Co., 2nd and Main Sts., Louisville, plans new track on new right of way at points between Louisville and Henderson, to shorten main line and avoid sharp grades. $100,000. W. S. Moore, engr. M. W.

Indiana—Monon Route, Chicago, Indianapolis & Louisville Ry., 608 South Dearborn St., Chicago, plans reconstructing west leg of Y, at New Albany; also erecting new steel trestle. $30,000. A. S. Kent, Chicago, ch. engr.

BIDS DESIRED

Ontario—May 5, by A. Beck, chn. Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, single and double track electric street railway, 4 mi. long, on various streets in Windsor, Walkerville and Ford City. $300,000. F. A. Gaby, ch. engr. Noted Apr. 12.

CONTRACT AWARD

Michigan—Ford Motor Co., Highland Park (Detroit P. O.) 15 mi. double track road connecting plant at River Rouge with Detroit, Toledo & Ironton R.R., to P. R. Jones Co., 111 West Washington St. $250,000.

Missouri—St. Louis & San Francisco R.R., Frisco Bldg., St. Louis, 9 mi. double track and 2 double track bridges over Meramec River at Diecke and at Valley Park to replace narrow single track bridges, to Grant-Smith & Co., Merchants-Laclede Bldg., St. Louis, Engrs. est. $900,000. Noted Feb. 8.

Excavation, Drainage, Irrigation

PROPOSED WORK

Tex., Corpus Christi—Nueces Co. voted $1,000,000 bonds for improvement in D. D. 1. Address H. R. Sutherland, co. judge.

Calif., Willows—San Jacinto Irrigation Dist. having plans prepared drainage system, incl. pumping plants, 15 wells and deep well turbine pumps, 18 and 20 in. with power lines, motors, etc. J. F. Ryan, Willows, consult. engr. Noted Nov. 9.

BIDS DESIRED

Mich., Pontiac—May 15, by Drain Commissioner Oakland Co., county drain in city and Waterford Twp.; adv. this issue.

Ill., Fairfield—May 9, by F. M. Yohe, c/o Clerk Wayne County, for 843,000 cu.yd. levee and 571,000 cu.yd. ditch work in Union D.D.

Ia., Boone—May 10 at office of A. Paterson, aud. Boone Co., for Drain 132, 33,674 lin.ft. 6-32 in. tile, etc. $25,676.

Ia., Clarinda—May 9 by Supervs. Page Co., new channel for West Tarkio River in D.D. 19, 153,554 cu.yd. excav., etc. A. S. Van Sandt, Clarinda, engr.

N. D., Grand Forks—May 10, by Auditor Grand Forks Co., 9 mi. Drain 12, 61,000 cu.yd. excav., $34,000, 4½ mi. Drain 13, 6,000 cu.yd. excav., $10,000, in Levant and

Excavation, Drainage and Irrigation (Continued)

Lakeville Twps. J. Ingram, Grand Forks, engr.

Ark., Eudora—May 15, by Bd. Comrs. Eudora Western D.D., 3,000,000 cu.yd. excav. Baxter Eng. Co., Moore & Turner Bldg., Little Rock, engrs.

Canada—May 11, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., hydraulic dredging at Bowmanville, Midland, Penetanguishene, Port Hope, Saulte Ste. Marie and Point Traverse in province of Ontario, and Nicolet, River St. Charles, Rivere du Loup and St. Pierre les Becquets in province of Quebec. $200,000.

CONTRACTS AWARDED

Fla., Melbourne — Melbourne-Tillman Cocoa Dist., drainage work, to Florida Drainage & Constr. Co., Palatka, $700,000.

Ill., Savanna—Carroll Co. Drainage and Levee Dist. 1, 16 mi. levee and ditches, 768,700 cu.yd. excav., etc., to Callahan & Crawford, Great Southern Life Bldg., Dallas, Tex., $0.108 per cu.yd. and $0.208 per yd. across deep sloughs for levee. Noted Mar. 22.

Wis., Milwaukee—Dredging various rivers and channels during season, to Great Lakes Dredge & Dock Co., 216 West Water St., $0.364 per cu.yd., total $31,500.

Minn., Olivia—Renville and Sibley Counties, Judicial Ditch 15, 4,678,900 cu.yd. excav., 432 mi. tile, 4 mi. sewer excav. to E. D. Barr, Lake Crystal; tile and sewer to Kircher Bros., Olivia. Engrs. est. $1,700,000.

Mo., Foley—Sandy Creek D.D., drainage ditches and levee to protect 1,000 acres, to McWilliams Dredging Co., McCormick Bldg., Chicago, $0.14 per cu.yd. Engrs. est. $25,000.

Streets and Roads

PROPOSED WORK

Massachusetts—State Hy. Dept., Boston, preparing plans 4.21 mi. road in Brimfield, Hampden Co., 106,000 gal. asphalt. $280,000. J. A. Johnston, 544 Main St., Worcester, dist. engr.

Conn., Hartford — Street Dept. plans widening 1,200 ft. Ford St., 12 ft. each side. $32,000. R. N. Clark, city engr.

Conn., Saybrook—State Hy. Dept., Hartford, and New York, New Haven & Hartford R.R., New Haven, plan to eliminate 4 railroad crossings by building 4,000 ft. Ferry Rd. and Hartford Turnpike, 20 ft., here. $85,000. C. J. Bennett, state highway comr.

N. Y., Albany—See "Miscellaneous."

N. Y., Eastwood—Soon takes bids concrete paving Sunnycrest Rd. and Midler Ave. $60,000. J. J. Schaefer, village pres. Noted Mar. 29.

N. Y., Jamestown—Plans paving Dearborn St., brick on concrete. $25,000. L. Bergman, city engr.

N. Y., Malone—Village Bd. plans macadamizing various streets. $32,500.

N. Y., Niagara Falls—Plans curbing, sidewalks and paving 640 sq.yd. 18th St. brick, $16,080; paving Maple Ave. and Lockport St., brick, asphalt, bithulithic or concrete, $23,350. W. Bennett, Convention Hall, city engr.

N. Y., Solvay (Syracuse, P. O.)—Bd. Village Trustees plans macadamizing and new pavements on various streets and park roads. $175,000. T. Erwin, highway comr.

N. Y., Troy—Common Council approved $276,000 bond issue macadam and asphalt paving 24 streets, Blakely and Park Courts. A. E. Roche, city engr.

N. Y., Watertown—Bd. Pub. Wks. plans macadamizing portion West Ten Eyck, Dimmick, South Meadow, North Rutland and South Pleasant Sts.; concrete paving Le Ray and Huntington Sts. $100,000. P. B. Sutton, city engr. Noted Jan. 11.

N. J., Allenhurst—Bd. Boro Comrs. rejected bids 8 in. rein.-con. pavement. Noted Apr. 19.

N. J., East Orange—Plans resetting curb and paving 3,500 ft. North 19th St., 30 and 34 ft., $40,000; grading, curbing and paving 4,900 ft. Brookwood St. and Rutledge Ave., 30 ft., $85,000, sheet asphalt, asphalt block, warrenite, bithulithic, etc., on old Telford or 6 in. concrete. W. D. Willigerod, City Hall, engr.

N. J., Irving (branch of Newark)—Soon takes bids 10,200 lin.ft. blue stone curbing and 16,900 sq.yd. 6 in. rein.-con. paving on New St., Normandy and Rosehill Places, Mount Vernon and Chester Aves. $65,000. I. J. Casey, town engr.

N. J., Newark—Essex Co. plans grading and paving 2,640 ft. Bay Ave. in Bloomfield and Glen Ridge, 30-36 ft., $50,000, 1,320 ft. Rutger St. in Belleville, 30-80 ft., $36,000, both granite block and bituminous concrete on 6 in. concrete; $6,020 ft. Franklin Ave. in Nutley, $130,000, 5,280 ft. Scotland St. in Orange, $90,000, both sheet asphalt or asphalt block on 6 in. concrete; 4,224 ft. River Rd. in Nutley, 24 ft., $45,000, 6,388 ft. Grandview Ave. in North Caldwell, 20 ft., $90,000, both 8 in. rein.-con. W. A. Stickel, Court House, co. engr.

N. J., Orange—Making plans grading and paving 2,000 ft. Lincoln Ave., 36 ft., warrenite bitulithic, National asphalt block or sheet asphalt on old macadam. $44,300. K. E. Crane, city engr.

N. J., South Orange—Preparing plans curbing and paving 4,000 ft. Prospect St., 30 and 36 ft., asphalt block, bithulithic or national pavements on 6 in. concrete or 8 in. rein.-con. $80,000. I. I. Redfern, Village Hall, engr.

Pa., Carrolltown — Boro. Council and Comrs. Cambria Co. open bids about May 30, paving 2,650 ft. Main St., 32 ft., brick on concrete, stone curb. $50,000. Cambria Co. to pay $8,000 and Boro. $42,000. F. A. Kline, Bank Bldg., engr.

Pa., Ebensburg—Opens bids about May 30, paving 3.25 mi. Route 62, asphalt. Former bids rejected. Noted Apr. 26.

Pa., Erie—Plans asphalt pavements on 16 streets. $338,110. F. G. Lynch, city engr.

Pa., Patton — Comrs. Cambria Co. and Boro Council, c/o H. T. Jones, controller, (Ebensburg), open bids about May 30, paving 2,514 ft. brick on concrete, stone curb. $50,000. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Pittsburgh—Soon takes bids grading, paving and curbing St. Martin St., asphalt on concrete. $46,000. F. W. Lyon, City County Bldg., engr.

Pa., Sharon—Plans paving 1,600 ft. Cedar St., brick, asphalt or sheet asphalt. $25,000. L. Burnside, city engr.

Pa., Wilkes-Barre—Plans paving Dagobert and Prospect Sts., sheet asphalt on concrete, stone or concrete curb. $50,000. F. H. Gates, city clk.

N. C., Chapel Hill—University of North Carolina plans grading and paving roads and driveways, $50,000; grading and constructing exercise and recreation grounds, $50,000. T. A. Atwood Corp., Chapel Hill, engrs.

S. C., Gaffney—City Council plans curbing and guttering Buford, Cherokee, Logan and Robeson Sts., et al., 23,600 lin.ft. combined concrete curb and gutter, 5,975 sq.yd. 4 in. concrete sidewalk, etc. $48,000. H. Beebe, Spartanburg, engr.

S. C., Gaffney — Had plans prepared grading, curbing, guttering, sewers and paving Smith, Buford, Meadow, Birnie, Jeffries, Montgomery and Limestone Sts., 5,360 cu.yd. excav., 14,400 sq.yd. asphalt on concrete, etc. $53,000. H. Beebe, Spartanburg, engr.

Fla., Salerno—May 15, to vote on $60,000 bonds for 14 mi. shell roads.

Tennessee—Dept. of Highways, Nashville, making surveys highway between Crossville and Rhea Co. line, 18 ft., Cumberland Co. J. G. Creveling, Nashville, comr. highways and Pub. Wks.

Tenn., Livingston—Overton Co. plans to vote on $300,000 bonds limestone roads. J. H. McDonald, co. judge.

Kentucky—State Hy. Dept., Frankfort, having plans prepared grading 11.55 mi. Pineville-Harlan Rd., State Project 6, Sect. A, Bell Co. J. S. Boggs, state highway engr.

O., Bedford — Plans grading, curbing, vitr. brick paving, concrete or stone sidewalks on various streets. $200,000. E. P. Wright, Town Hall, engr.

O., Cleveland—Cuyahoga Co. had plans prepared grading and paving Highland Rds. 3 and 4, brick or waterbound macadam. $150,000. F. Lander, Court House, engr.

O., Columbus—See "Waterworks."

O., Cuyahoga Heights (Cleveland, P. O.) —Making plans brick paving and laying stone sidewalks on Grant Ave. $80,000. Hecker & Irish, 905 Leader News Bldg., Cleveland, engrs.

O., Cuyahoga Heights (Cleveland, P. O.) —Plans paving East 49th St. $30,000. Hecker & Irish, Leader-News Bldg., Cleveland, engrs.

O., Hillsboro—Highland Co. selling $32,000 bonds road improvements. J. S. Kerns, clk.

O., Marietta—Plans asphalt and vitr. brick paving on Front, Greene and 5th Sts. $76,837. C. A. Stone, Marietta, engr. Noted Feb. 1.

O., Warren—Soon takes bids paving 4,878 ft. South Main St., sheet asphalt, brick, macadam, etc.

Indiana—State Hy. Dept., Indianapolis, plans resurfacing 5.7 mi. State Rd. 42, Sect. D, from New Albany to Paoli, bituminous tar. W. K. O'Neill, New Albany, dist. highway engr.

Indiana—State Hy. Dept., Indianapolis, plans 28 mi. gravel, macadam and bituminous macadam roads in Perry and Crawford Counties. $862,380. C. Gray, state highway engr.

Ind., Jeffersonville—Clark Co. plans 4.78 mi. George Lindemeyer Rd., Oregon Twp., 12 ft. $46,776. K. W. Barnes, co. surv.

Ind., New Albany—Floyd Co. plans macadam paving 2,600 ft. North 2nd St., 16 ft., $8,276; graveling 14,186 ft. Martin-Campion St., 9 ft., $4,317; resurfacing 7 mi. road from Jeffersonville to New Albany River Rd. M. Boland, co. engr.

Ind., South Bend—Takes bids latter part of May paving, etc., Randolph, Huey and Kosciusko Sts., Elwood and California Aves. $40,867. F. J. Anderson, City Hall, engr.

Michigan — State Hy. Dept., Lansing, plans grading and surfacing 3.862 mi. road, Calhoun, Jackson and Hillsdale Counties, 11,141 cu.yd. excav., 20,393 sq.yd. gravel.

Ia., Iowa City—Johnson Co. plans grading and bridge work on Primary Rd. 7 from Tiffin to west county line, 4 mi. Primary Rd. 11 from south county line northeast, and 5.12 mi. Primary Rd. 40 from south county line north. Iowa Hy. Comn., Ames, engrs.

Ia., Onawa—Monona Co. plans grading and bridge work on 6.67 mi. Primary Rd. 37 southeast of Soldier, 8.35 mi. Primary Rd. 12 from Woodbury Co. Line southeast through Whiting, approximately 7.5 mi. Primary Rd. 34, northwest of Mapleton and 1 mi. Primary Rd. 34 between Ute and Mapleton. Iowa Hy. Comn., Ames, engrs.

Ia., Sigourney—Keokuk Co. plans grading and bridge work on Primary Rd. 2, etc., approximately 8 mi., and Primary Rd. 13 from north county line to Sigourney. Iowa Hy. Comn., Ames, engrs.

Kan., Holton—Jackson Co. had plans prepared 15 mi. concrete road, 18 ft. Kansas Eng. Co., Topeka (street address not available), engrs.

Kan., Iola—Allen Co. had plans prepared 2 mi. concrete road, 18 ft. Kansas Eng. Co., Topeka, (street address not available), engrs.

Kan., Oberlin—Decatur Co. had plans prepared grading and constructing 56 mi. earth road. Kansas Eng. Co., Topeka (street address not available), engrs.

Kan., Troy — Doniphan Co. had plans prepared 17 mi. concrete paving, 18 ft. and 4 concrete bridges 30-100 ft. spans. Kansas Eng. Co., Topeka (street address not available), engrs.

Mont., Great Falls—Cascade Co. plans grading 14 mi. Ulm-Cascade Rd. $100,000. J. E. Moran, clk.

Mont., Hardin—Big Horn Co. plans 17.5 mi. hard surfaced road between here and Custer. $105,000. R. J. Ephland, co. engr.

Mont., Helena—Plans paving 15 blocks Main, 6th and State Sts., Neill Ave. and Bway. $60,000. T. Carmichael, city engr.

Missouri—State Hy. Dept., Jefferson City, plans grading, etc., 77.5 mi. highways in Ripley, Atchison, Pemiscot, St. Genevieve, Hickory, St. Clair, Texas, Carroll, Monroe, Mercer, Crawford, Andrew, Warren, Macon, Platte and Saline Counties. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Takes bids in next few months curbing and paving 210,425 sq.yd. various streets, asphalt, bitulithic concrete, warrenite bitulithic, asphaltic concrete, bitulithic, brick, willlite, Kentucky rock asphalt, sheet asphalt, or rein.-con., $989,275; grading 49,090 cu.yd., $40,650. W. W. Horner, city engr.

Ark., Blytheville—Making plans paving streets, various types. $500,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Ark., Newport — Making plans paving 7,000 ft. 1st and Hazel Sts. et al., 27-50 ft. Morgan Eng. Co., Goodwyn Institute Bldg., Memphis, Tenn., engrs.

Tex., Beaumont — Jefferson Co. making plans grading, asphalt surfacing and concrete and timber pile trestles on 2,589 ft. State Highway 3, 20 ft. $127,930. A. C. Love, co. engr.

Tex., Cleburne — Johnson Co. defeated $40,000 bonds improving 2 roads in Venus Rd. Dist. O. B. McPherson, co. judge. Noted Mar. 22.

Streets and Roads (Continued)

Tex., Dallas—Dallas Co. making plans grading and surfacing 2 in. asphalt on waterbound macadam 3.03 mi. State Highway 15, 20 ft. $143,254. Nagle-Witt-Rollins Eng. Co., Courthouse, engrs.

Tex., Hemphill—Sabine Co. making plans grading and gravel surfacing 9,600 cu.yd. State Highway 21. $50,000. W. A. French, San Augustine, co. engr.

Tex., McKinney—Collin Co. making plans grading, rein.-con. paving and bridging 7 mi. State Highway 6, 16 ft. $280,000. F. W. Cawthon, co. engr.

Tex., Palo Pinto—Palo Pinto Co. rejected bids grading and surfacing with sledged stone on stone 9.81 mi. North Branch State Highway 1, Federal Aid Project 369, 16 ft. 25,717 cu.yd. stone at quarry to be furnished by county, $177,500; 5.81 mi. Highway 1, Federal Aid Project 356, 20,464 cu.yd. stone at quarry, $100,000. Will readvertise. Contract for 1 in. bituminous topping to be let at later date.

Oklahoma — State Hy. Dept., Oklahoma City, rejected bids surfacing with brick or concrete 1.65 mi. Federal Aid Project 88, Creek Co. Will readvertise. F. G. Simmons, c/o State Engineers Office, engr. Noted Jan. 25.

Okla., Blackwell—Having plans prepared grading and vitr. brick paving 15 blocks, 26-40 ft., in Dist. 22. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Healdton—Having plans prepared grading and paving 6 blocks Main St., 40-60 ft. C. Coon, 1820 North Bway., Oklahoma City, engr.

Okla., Okmulgee—Okmulgee Co. plans 6 mi. concrete or gravel road from Henryetta to western county line. H. C. King, Okmulgee, engr.

Okla., Perry—W. A. Lucas, city clk., takes bids about June 15, grading and paving 50 blocks. $300,000. C. Wood, Stillwater, engr.

Okla., Sapulpa — Creek Co. having preliminary plans prepared constructing 10 mi Ozark Trail, 18 ft. C. K. Howard, Sapulpa, engr.

Okla., Sapulpa — Creek Co. had plans prepared constructing 8½ mi. Albert Pike Rd., Federal Aid Project 109, 18 ft. C. K. Howard, Sapulpa, engr.

Utah, Provo—A. Demming, city engr., soon takes bids curbing, guttering and sprinkling system in park. $50,000.

Wash., Bellingham—Whatcom Co. had plans prepared concrete paving 2.5 mi. Acme-Wickersham Highway. $65,000. F. W. McElmon, co. engr.

Wash., Tacoma—Plans concrete paving Yakima Ave. $40,000. J. C. Manley, city engr.

Oregon—State Hy. Dept., Salem, plans grading 8.36 mi. Federal Aid Project 97, Coos Co., $300,135. Federal Government appropriated $153,331. R. Klein, state highway engr.

Calif., Fresno—Had plans prepared grading, concrete curbing, guttering, sidewalks and paving Abby St., 95,379 sq.ft. grading, 85,881 sq.ft. asphaltic pavement, etc. W. Stranahan, city engr.

Calif., National City—Plans to vote on $33,000 bonds paving streets.

Calif., Redwood City—Received no bids grading, curbing, guttering and oil macadam paving various streets in Oak Knoll Manor. $100,000. Will readvertise. C. L. Dimmitt, city engr. Noted Apr. 12.

Calif., San Diego—Had plans prepared curbing, sidewalks and paving 25th and Crosby Sts., 30,221 sq.yd. 2½ in. asphaltic concrete base, 1½ in. surface, etc. F. A. Rhodes, city engr.

Calif., Turlock — Had plans prepared grading, concrete guttering and paving portions Orange St., 90,000 sq.ft. grading, 83,000 sq.ft. 1½ in. warrenite on 3 in. asphaltic concrete, etc. H. Hall, city engr.

Calif., Yuba City—Having plans prepared paving portions B and Shasta Sts., etc. To exceed $25,000. E. Von Geldern, Yuba City, engr.

Que., Montreal—Plans to open and widen 5 mi. Sherbrooke St. from Delormier St. to city limits, incl. subway under property of St. Jean de Dieu Hospital, 17 ft. wide, concrete and steel. $71,287. E. Gauthier, asst. city clk.

Ont., Chatham—Kent Co. plans to expend $256,430 building concrete, gravel and macadam roads. Portion of work will be done by day labor, balance by contract. W. G. McGeorge, 153 Queen St., engr.

Ont., Niagara Falls—Preparing plans 18,000 sq.yd. asphalt pavement on Bridge St., concrete base. $73,000. T. S. Scott, town engr.

Ont., Simcoe—Norfolk Co. plans to expend $131,450 on macadam and gravel roads. Some of work will be done by day labor, balance by contract. G. R. Marston, co. engr.

Ont., Toronto—Plans 4,000 sq.yd. asphalt pavements on Adrian Ave. $6,883, Strathmore Blvd. $11,691, concrete sidewalks on Larchmont Ave. $4,342. 5,000 lin.ft. concrete curbs on Connollov St., Adrian, Cannon and Mulock Aves. $4,959. R. C. Harris, city engr.

Ont., Toronto—Plans improving Mulock Ave., 9,000 sq.yd. asphalt on concrete, brick gutters, $44,033. R. C. Harris, city engr.

B. C., Vancouver—June 16, to vote on $250,000 bonds improving various streets, probably bituminous macadam on macadam. F. L. Fellowes, city engr.

BIDS DESIRED

Mass., Holyoke—Bd. Public Wks. taking bids 25,000 sq.yd. asphalt surfacing on Cabot, Main, Lyman, Appleton and Dwight Sts. $50,000. P. W. Bond, city engr.

New York—May 16, by F. S. Greene, comr. State Hy. Dept., Albany, improving highways in Cayuga, Columbia, Jefferson, Montgomery, Warren and Wayne Counties; reconstructing highways in Jefferson, Oneida, Schuyler, St. Lawrence, Sullivan and Ulster Counties. W. A. Patton, secy.; adv. this issue.

N. Y., Binghamton—May 9, by Bd. Contr. & Supply, asphalt paving State, Chenango and Center Sts. $60,000. W. E. Weller, city engr. Noted Apr. 12.

N. Y., North Tonawanda—May 14, by Bd. Pub. Wks., asphalt paving Felton St., Lincoln and 7th Aves. To exceed $25,000.

N. Y., Peekskill—May 8, by Bd. Village Trustees, repaving various streets, rein.-con., wood block or brick. A. E. Cruger, clk.

N. Y., Penn Yan—Bd. Village Trustees taking bids paving Lake St., sheet asphalt, bituminous macadam, 3 in. brick or rein.-con. To exceed $25,000. R. Cramer, village pres. Noted Feb. 1.

N. Y., Poughkeepsie—May 17, by Bd. Pub. Wks., Eastman Park Mansion, asphalt, granite block and brick pavements, etc. T. F. Lawlor, supt.

N. J., East Orange—May 14, by Mayor and City Council, 6,000 lin.ft. bluestone curb and 11,000 sq.yd. paving on North 19th St., 30 and 34 ft., sheet asphalt, asphalt block, warrenite bitulithic or National pavement on old Telford base. $40,000. W. D. Willigerod, city engr.

N. J., Newton—May 17, by Sussex Co., graveling Lafayette Twp. Rd. 1. W. S. Vought, clk.; adv. this issue.

Pa., Corry — May 9, brick or concrete pavements. N. R. Dickson, city engr.; adv. this issue.

Pa., Ebensburg—May 16, by Comrs. Cambria Co., reconstructing 17,902 ft. Cresson Pike, brick on concrete. $100,000. H. F. Dorr, co. engr.

Pa., Ellwood City—May 10, by Boro. Council at office Boro. Clerk, 228 6th St., grading, paving, curbing and guttering Line Ave. A. Main, boro. engr.; adv. this issue.

Pa., Johnstown—May 8, by M. L. Masterson, supt. dept. streets, paving 12 mi. and building sanitary and storm sewers in various streets, Contracts 1, 2, 3, 4, 5 and 6, $400,000 and $200,000 respectively. H. L. Wilson, city engr.

Pa., Phila.—May 9, by Director Pub. Wks., 8,994 sq.yd. granite block pavement on Delaware Ave. from Snyder to Bigler Sts. $50,000. 35,500 sq.yd. granite block on Delaware Ave. from Snyder to Porter Sts. $42,000. J. A. Vogelson, City Hall, engr.

Delaware—May 16, by State Hy. Dept., Dover, 2.21 mi. Marsh Rd., Contr. CN-7, 2.746 mi. Bear-State Rd., Contr. CN-10, 4.35 mi. Townsend-Coldwell Rd., Contr. CN-11, fill at Appoquinimink, Contr. 48-C, highway drainage sewer in Camden, Contr. 48-C; adv. this issue.

Maryland — May 15, by State Rds. Comn., Baltimore, Contrs. G-25, W-25, M-11, M-37, M-25A, Ho-33 AA-32, K-22, Ce-44 and Ce-46, Garrett, Washington, Montgomery, Howard, Anne Arundel, Kent and Cecil Counties. J. N. Mackall, chn.; adv. this issue.

Ky., Henderson—May 8, by Comr. Pub. Wks., paving, curbing and guttering Main, Elm and Green Sts.; adv. this issue.

O., Akron—May 28, by W. F. Peters, dir. Pub. Serv., grading, curbing and paving 6,800 sq.yd. South Arlington St., 44 ft., vitr. brick or asphalt on concrete, $40,000. E. A. Kemmler, Delaware Bldg., engr. Noted Apr. 19.

O., Cleveland—May 9, grading, curbing and brick, concrete or asphalt paving Shaw Ave. S.W., Way Ave. S.E., Tuscora Ave. N.E., Oakwood Ave. S.E., and Lorain Ave., East 55th, East 125th and West 9th Sts. To exceed $100,000. R. Hoffman, city engr.

O., Massillon—May 8, for 60,000 sq.yd. paving and resurfacing. C. E. Rice, city engr.

Ind., Ft. Wayne—May 8, by Auditor Allen Co., grading and graveling 15... ft. Rodenbeck Rd., 18 ft. $25,500. C. M. Darling, Ft. Wayne, engr. Noted Apr. ...

Ind., South Bend — May 15, by Bd. Comrs., St. Josephs Co., c/o County Auditor, grading and concrete paving 45,696 sq. yd. Bremen Highway. $144,135. P. E. Gillin, co. engr.

Ind., South Bend—May 15, by Bd. Public Wks., paving 32,402 sq.yd. St. Peter, Ohio, Pulaski, Sadie, Sorin and Wayne Sts., $122,850; 1,521 sq.yd. new surfacing and 24,287 sq.yd resurfacing on Notre Dame Ave. $70,968. F. J. Anderson, City Hall, engr. Noted Apr. 26.

Illinois—May 11, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, grading various sections, 3,511,556 cu.yd. excav.; paving 29.19 mi., 18 ft. Alternate bids on concrete, 4 in. monolithic brick, 4 in. bituminous filled brick, bituminous concrete with or without binder course. C. Older, ch. highway engr.

Ill., Elmhurst—May 7, concrete paving various streets. $215,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Apr. 12.

Minn., Red Lake Falls—May 16, by G. Dupont, aud. Red Lake Co., 6.8 mi. State Project 32-02, Federal Aid Project 273, 160,645 cu.yd. excav.; Bridge 3986, 171 ft. truss span with two 60 ft. approach spans, portable and monolithic culverts. $65,000. H. E. Palmer, Red Lake Falls, and State Hy. Dept., 1246 University Ave., St. Paul, engrs. Noted Oct. 5.

Minn., Red Wing—May 8, by city, paving 39,133 sq.yd. E Ave. and 4th St., 13,923 cu.yd. excav. $100,000. W. Geishecker, city engr. Noted Apr. 12.

Minn., St. Paul—May 21, by Ramsey Co. at office of County Auditor, 60,000 sq.yd. paving, Project (23-02) and (23-55). P. N. Coates, co. engr.; adv. this issue.

N. D., Ellendale—May 11, by Auditor Dickey Co., 6.335 mi. earth road with gravel surfacing Project 143, and 10.984 mi. earth road Project 112, Sect. C, 79,457 cu.yd. earth and 42,998 cu.yd. rock excav. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

N. D., Finley—May 14, by Auditor McIntosh Co., 17.402 mi. Project 183, 123,762 cu.yd. earth and 5,092 cu.yd. rock excav. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

N. D., Lakota—May 16, by Auditor Nelson Co., 9.147 mi., Project 152 and 17.739 mi., Project 169, 224,814 cu.yd. excav. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

N. D., Lisbon—May 9, by Auditor Ransom Co., 10.919 mi., Project 129, 81,049 cu. yd. excav. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

N. D., Minot—May 17, by Auditor Ward Co., 8.196 mi., Project 182; 9.111 mi. Project 82, 18.441 mi., Project 181, 281,259 cu.yd. earth and 19,570 cu.yd. rock excav. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

N. D., Valley City—May 8, by Auditor Barnes Co., 9.233 mi., Project 171, 63,638 cu.yd. excav., 10.36 mi. Project 126, 69,233 cu.yd. excav. 7.31 mi. Project 135, 10,014 cuyd. gravel, 6.88 mi. Project 47, 9,426 cu.yd. gravel. W. G. Black, c/o State Hy. Dept., Bismarck, engr.

Mo., Clayton—May 9, by St. Louis Co. grading and Telford macadam paving 3,776.96 squares McKelvey-Creve Coeur Mill Rd., Hancock Ave., Old Florissant and Chambers Rds., 14 ft.; grading and rein. con. paving 12,575 sq.yd. Ozark Trail, 21 ft. $82,484. W. Elbring, Clayton, engr.

Mo., Richmond Heights (St. Louis, P. O.)—H. Prettyman Co., United Home Building, St. Louis, taking bids 200,000 sq.ft. concrete sidewalks in Pennsylvania Park subdivision, here. $50,000. Pitzman Surveying & Eng. Co., 615 Chestnut St., St. Louis, engrs.

Mo., St. Louis — May 29, by Bd. Pub. Serv., City Hall, curbing and paving 35,450 sq.yd. Slevin, Gimblim, Pershing and Enright Aves., Smiley Ave. from Ivanhoe Ave. to tracks of St. Louis & San Francisco R.R., Smiley Ave. from Leola to Ivanhoe Aves., Lansdowne Ave. from January to Hampton Aves., Lansdowne Ave. from Macklind to January Aves., brick, asphalt, concrete, asphaltic concrete, bituminous macadam, or warrenite bitulithic. $150,700. Noted Apr. 12.

Tex., Boston—May 10, by O. B. Pirkey and S. L. Henderson, judges Bowie Co. grading, gravel surfacing, etc., 1.47 mi. State Highway 1-A, 16 ft. $39,500. T. E. Hess, co. engr.

Tex., Georgetown — May 15, by F. D. Love, judge, Williamson Co. bituminous topping 137,026 sq.yd. State Highway 2-C, various types and thicknesses. $85,000-$100,000. R. A. Nichols, co. engr.

Tex., Kountze—May 10, by T. F. Teel, judge Hardin Co., grading, gravel surfacing and timber pile trestles on 15.66 mi.

Streets and Roads (Continued)

State Highway 40, 16 ft. $185,000. G. C. Brown, co. engr. Noted Apr. 5.

Okla., Sapulpa—Creek Co. receiving bids constructing 9 mi. Drumright-Oilton Rd., Federal Aid Project 110, 18 ft. C. K. Howard, Sapulpa, engr.

Colorado—May 8, by State Hy. Dept., Denver, gravel surfacing and bridging 2.708 mi. Federal Aid 125, Gunnison Co., 24,980 sq.yd. gravel, $87,215; gravel surfacing 2.179 mi. State Project 782, Moffat Co., 20,454 sq.yd. gravel, $23,627; concrete paving 2.5 mi. Federal Aid 256-A, Logan Co., 26,400 sq.yd. 1 course concrete, $89,669; grading 3.924 mi. Federal Aid 157-B, Chaffee Co., 34,600 cu.yd. common and 10,700 cu.yd. rock excav., $74,970; 568 ft. masonry flume at Blackhawk, State Project 72, Gilpin Co., 874 cu.yd. cement rubble masonry $13,553. L. D. Blauvelt, state highway engr. Noted Apr. 12.

Idaho—May 12, by Commissioner Pub. Wks., 202 Pioneer Bldg., Lewiston, 23,409 cu.yd. crushed rock surfacing on Federal Aid Project 68, North and South Highway, Idaho Co. $50,000. Bureau of Highways, Lewiston, engrs.

Calif., Burbank—May 15, by F. Webster, city clk., grading, curbing and macadam paving 6,000 lin.ft. 8th St. between Walnut City and city limits, 36 ft.; grading, curbing, sidewalks and macadam paving 6,000 lin.ft. 6th St. between Walnut St. and city limits, 36 ft.

Calif., Stockton—May 8, by City Council, grading, curbing, guttering, sidewalks and paving portions F, East Main, East Washington and East Lafayette Sts., etc., 191,911 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock, etc. To exceed $50,000. W. B. Hogan, city engr. Noted Apr. 26.

Ontario—May 8, by J. G. Cameron, engr. Stormont, Dundas and Glengarry Counties, Cornwall, 14 mi. waterbound macadam, 1.75 mi. bituminous penetration, 1 mi. waterbound macadam or bituminous penetration 2 mi. gravel and 4½ mi. earth roads, 6½ mi. grading and concrete culverts, Contrs. 32-47 inclusive. $450,000.

Ont., Elora—May 7, by H. Clark, city clk., paving 13,900 sq.yd. asphalt or concrete, 4,500 lin.ft. concrete curb and gutter. $30,000. A. W. Connor & Co., 34 Victoria St., Toronto, engrs.

Ont., Sandwich—May 8, by W. P. Coyle, clk. Essex Co., 3 mi. concrete pavements in suburbs of Windsor. $75,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Toronto—May 8, by C. A. Maguire, chn. Bd. Control, grading and building 4 mi. concrete sidewalks, 4 ft. 6 in. to 8 ft. wide. $60,000. R. C. Harris, city engr.

BIDS RECEIVED

Massachusetts—Paving 33,658 ft. road in Wrentham, Norfolk and Walpole, 18-20 ft., from Arco Contg. Co. and Middlesex Constr. Co., 178 State St., Boston, $350,000. Noted Apr. 12.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 30, grading, curbing, laying sidewalks, etc., on (1) Alburtis Ave. (2) 88th St., sheet asphalt paving (3) Alburtis Ave., guttering, grading sidewalk space, laying sidewalks on (4) Bragaw St., grading sidewalk space and laying sidewalks on (5) east side of Union Hill St., from Peace Bros., Inc., 15 Lawrence St., Flushing, (1) $30,731; Kennedy & Smith, Inc., 93 Amity St., Flushing, (2) $11,612; W. J. Fitzgerald, 547 West 45th St., New York, (3) $45,135; J. J. O'Brien Jr., William St., Jamaica, (4) $1,730 (5) $1,344. Noted Apr. 26.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., Apr. 25, grading Service St. adjacent to Riverside Dr., etc., from S. Nugent, 285 West 150th St., $118,452; sidewalks on north and south sides of 108th St., from Kramer & Leedecke, $1,661; regrading curbing, recurbing, flagging, reflagging and sheet asphalt paving roadway of Haven Ave., from Asphalt Constr. Co., 208 Bway., $8,260; curbing, recurbing, flagging, reflagging and asphalt block paving roadway of West 173rd St., from Regan Towers Co., 124 West 121st St., $14,521; widening and repaving widened portion of Canal St. and curbing, recurbing, flagging, reflagging and paving Wadsworth Terrace, etc., both granite block, from D. J. McCarthy, 88 Audubon Ave., $12,405 and $18,462 respectively. Noted Apr. 19.

Pa., Phila.—Dept. Pub. Wks., Apr. 24, 15,851 sq.yd. asphalt pavements on Abbottsford Ave. from Wissahickon to McKean Aves., and 14,355 sq.yd. asphalt, and 1,570 sq.yd. vitr. brick on Boyer St. from Haines to Chelten Aves., from Eastern Paving Co., Colonial Trust Bldg., $29,532 and $42,561 respectively; furnishing and laying 200,000 gal. bituminous dust layer, from B. Foster & Co., 20th and Venango Sts., $14,640. Noted Apr. 19.

S. C., Hampton—Hampton Co., constructing 7 mi. Federal Aid Project 189, between Almeda and Jasper Co. line, from J. L. Carroll, Orangeburg, $28,303; bridge on above project from Latimer & Peake, Conway, $8,387.

Florida — State Rd. Dept., Tallahassee, surfacing with broken stone base No. 2, road between 0 plus 00—308 plus 00 and 480 plus 00 and Melbourne, Brevard Co., from Barber Fortin Co., Gainesville, $207,314.

O., Cleveland—For 218,500 sq.ft. cement sidewalks in northerly and southerly sidewalk districts, from P. H. De Santis, East 22nd St. near Woodland Ave., $61,687; 340,000 sq.ft. cement sidewalks in westerly and West Park Dists., from M. P. Platten, Engineers Bldg., $90,804.

O., Cleveland—Cuyahoga Co. grading and paving Riverside Rd., 3,130 lin.ft. stone curb and 4 in. sewer pipe gutter, 5,660 cu.yd. earth excav., 11,330 sq.yd. concrete base, 11,350 sq.yd. pavement, from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, bituminous concrete, $68,490, sheet asphalt, $71,680. Engrs. est. $71,907.

O., Euclid—Grading, curbing and asphalt paving South Lake Shore Blvd., Lakemore Rd., Marigold, Garland, Orchard, Eastlawn, Azalea and Fern Drives, 11,930 lin. ft. stone curb and tile drain gutter, 5,400 cu.yd. rock excav., 19,310 sq.yd. asphalt, 179,030 sq.ft. concrete base, from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $102,877.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, improving roads (12-70-5) means Route 12, Project 70, Sect. 5, concrete paving 6.6 mi. 12-70-5, Richland Co., Ill., from O. Arnold, Casey, $136,347; 5.55 mi. 14-71-4 Franklin Co., from Keeley Bros. Contg. Co., 2100 State St., East St. Louis, Ill., $132,090; 3.54 mi. 25-23-7 Clay Co., from Edwardsville Constr. Co., Edwardsville, $71,682; 7.32 mi. 25-73-21 Douglas Co. and 5.2 mi. 43-72-1 Mason Co., from W. F. Smith & Co., Rensselaer, Ind., $122,260 and $104,181 respectively; 5.62 mi. 26-74-2 Ogle Co., from Weber Co., Ionia, Mich., $126,094; 2 concrete bridges 12-70-5-B, Richland Co., from E. J. Barney, Ottersville, $21,030; 6.6 mi. 12-70-Comb. A, Richland Co., incl. 2 bridges, from R. A. Baum, Paris, $171,679. Noted Apr. 5.

Tex., Cleburne—Johnson Co. grading and gravel surfacing 10.86 mi. State Highway 2-E, 18 ft., from Buchanan, Veazey & White, Temple, $63,719, 24,051 cu.yd. gravel to be furnished by county $30,000, engrs. est. $117,244 incl. engineering, contingencies and material furnished by county; 14.98 mi. State Highway 2, 18 ft., from Texas Road Co., 1303 Bush Bldg., Dallas, $127,166, 44,927 cu.yd. gravel to be furnished by county $45,000, engrs. est. $202,362 incl. engineering, contingencies and material furnished by county. Noted Apr. 12.

Tex., Columbus — Colorado Co. gravel surfacing 8,833 cu.yd. State Highway 3, Borden-Weimer Rd., from B. Hooper, Louise, $7,028; county to furnish gravel $17,246. Noted Apr. 12.

Calif., Daly City—Paving with 1½ in. asphaltic concrete on 4 in. concrete portions Winchester, Hanover, Oliver Sts., etc., from Eaton & Smith, Ocean and Tara Sts., San Francisco, $31,493.

Calif., Hanford—Grading, guttering and paving Ivy St., 105,483 sq.ft. grading, 92,622 sq.ft. 1½ in. warrenite on 4 in. asphaltic concrete, etc., from California Constr. Co., Mattei Bldg., Fresno, $32,935.

Calif., Madera—From Thompson Bros., Divisadero and G Sts., Fresno, grading, concrete curbing, guttering and paving, 2½ in. bituminous base, 1½ in. surface, portions 6th and B Sts., $35,437; Yosemite Ave., $38,379. Noted Apr. 19.

Calif., Merced—Merced Co. paving 8.14 mi. road in Dist. 5, 12 ft. wide, 4 in. rock screenings, from Merced Concrete Pipe Co., 16th and H Sts., $49,750. Noted Apr. 26.

Calif., Sacramento—Improving L St. between 15th and 26th Sts., (a) 1,427 yd. excav., (b) 211,492 ft. 2 in. asphaltic concrete, (c) 18 manholes, from Clark & Henery Constr. Co., Ochsner Bldg., (a) $0.03 (b) $0.12 (c) $6; McGillivray Constr. Co., Capitol Natl. Bank Bldg., (a) $0.029 (b) $0.1195 (c) $6.25.

Calif., San Francisco—City and San Francisco Co., grading, curbing, sewers and paving 28th, 29th and 30th Aves., between Ulloa and Vicente Sts., from Pacific States Constr. Co., Call Bldg., $38,477. Noted Apr. 19.

Calif., Santa Ana—Paving and sewers in South Garnsey St., from E. J. Garretson, Orange, 141,660 sq.ft. 5 in. concrete $0.195 per sq.ft., 353 lin.ft. 4 in. house sewers $0.50.

CONTRACTS AWARDED

Massachusetts—State Hy Comn., Boston, paving 19,219 ft. road, 18-20 ft., bituminous macadam, in Rutland, to Lane Constr. Corp., 37 Colony St., Meriden, $175,519. Noted Apr. 12.

R. I., East Providence (Providence, P. O.) —To J. McCormick, East Providence, paving with oil asphalt Roger Williams Ave. $15,374, Taunton Ave. $4,459, Grove Ave. $23,223, Warren Ave., with natural asphalt, $28,287, Waterman Ave., granite block, $18,168. Noted Mar. 8.

Connecticut—State Hy. Comn., Hartford, concrete paving 5,372 ft. road, 42 ft., in West Haven, to W. D. Blakeslee, 58 Waverly St., New Haven, $38,000. Noted Apr. 12.

Conn., New Britain—Patching 10,000 sq. yd. various streets, asphalt, to Robison & Powers, Inc., 35 Colony St., Meriden, $2.56 per sq.yd. Noted Apr. 26.

Conn., South Manchester—For 2.5 mi. curbs and walks, to Ahern Bros., Willimantic, walks $0.18 per sq.ft., curbs $0.70 per ft., gutters $0.24. Engrs. est. $30,000. Noted Apr. 12.

N. Y., Fredoni —Paving Maple Ave., concrete, and Cushing St., brick on sand and concrete cushion, to T. Fitzgerald, Fredonia, $16,270 and $36,333 respectively; Day and Free Sts., brick on sand and concrete cushion, to J. M. Hackett, Fredonia, $13,666 and $15,711 respectively. Noted Apr. 19.

N. Y., Long Island City—See "Sewers."

N. Y., Medina—Paving South Main St., rein.-con., to W. J. Gallagher, Medina, $35,000.

N. J., Cedargrove—G. C. Bergen, purch. agt. Essex Co., Court House, Newark, grading and paving 6,400 sq.yd. Stevens Ave., 20 ft., 8 in. rein.-con., to Francisco Bros., Ridge Rd., Little Falls, $26,685. Engrs. est. $29,199. Noted Apr. 19.

Pa., New Castle—Paving Liberty St., 10 in. rein.-con., to M. J. Scanlon, 215 Liberty St., $62,143. Noted Mar. 22.

Pa., Warren—Paving West 4th St. and Lexington Ave., to E. Beck, Warren, $25,000. Noted Mar. 1.

Maryland—State Hy. Dept., Baltimore, 45,500 sq.yd. Contr. Bc-44, from Hillen to 42nd Sts., and 50,600 sq.yd. Contr. Bc-44, from Hill St. to Greenmount Ave., Baltimore City, both bituminous surface course, to American Paving & Contg. Co., Montebello Ave., Baltimore, $253,721 and $243,661 respectively; concrete surfacing 17,800 sq.yd. Contr. M-38, Montgomery Co., to Gosnell, Russell Co., Frederick (street address not available) $59,170; concrete surfacing 9,500 sq.yd. Contr. xx Co-27, Caroline Co., to Holt Constr. Co., Federalsburg, $27,357; gravel surfacing 16,400 sq.yd. Contr. Ho-39, Howard Co., to E. R. P. Smith, Hyattsville, $15,906. Noted Apr. 12 and 26.

W. Va., Huntington—Paving with brick on concrete 25th, 26th, Adams, 7th, 27th, 28th and Washington Sts., to Harrison & Dean, Old Walton Bldg., $60,000.

S. C., Gaffney—Cherokee Co., topsoiling 8.1 mi. Federal Aid Project 147, to Newell Contg. Co., Anderson, $42,057. Noted Mar. 8.

Fla., Dade City—Pasco Co. paving with vitr. brick East Front, Pasco and College Sts., etc., to Mickler & McLeod, Stovall Bldg., Tampa, 25,000 sq.yd. paving at $1.97 per sq.yd., total $49,250.

Tenn., Byrdstown—Pickett Co., grading and constructing limestone base (hand placed), to Boyd Williams Constr. Co., Murfreesboro, $50,000.

Kentucky—State Hy. Dept., Frankfort, grading, using concrete pipe 4.327 mi. South Carrollton-Calhoun Rd., State Project 10, Sect. D, Muhlenberg Co., and 4.915

An innovation at compilation of bids was introduced when the Indiana State Highway Commission opened proposals recently for approximately 40 miles of paving.

M. L. Schuetz, an Indianapolis business man who bonds many of the contractors on state work, had a number of people take down the proposals as read. Thirty-four bidders submitted 43 proposals on nine projects, and nine minutes after the last bid was read, typed sheets of all bids were given out. Prior to the bidding Mr. Schuetz sent out blue prints on all projects to 300 contractors in surrounding states. The service is gratis and is greatly appreciated. The low bids, together with the highway engineers' estimates are sent to state highway commissioners of adjacent states and are useful for comparison.

Streets and Roads (Continued)

mi. Dixon-Madisonville Rd., Federal Aid Project 34, Sect. D, Webster Co., to J. C. Ellis, Owensboro, $21,803 and $31,136 respectively, 5.905 mi. Harlan-Pineville Rd., State Project 6, Sect. B, Harlan Co., to Eastern Constr. Co., Harland, $77,798, 15.925 mi. Frenchburg-West Liberty Rd., State Project 10, Sect. A, Morgan Co., to Ellis & Smeathers, Owensboro, $198,126, 3.879 mi. Dixon-Henderson Rd., Federal Aid Project 34, Sect. E, Webster Co., to W. W. Carter, Clay, $21,030; concrete surfacing, using concrete pipe, 10.282 mi. Covington-Falmouth Rd., State Project 62, Sect. B, Kenton Co., to H. Hughes Co., Cincinnati, O. (street address not available), $346,685; waterbound macadam surfacing 3.92 mi. New Castle-Eminence Rd., State Project 46, Sect. A, Henry Co., to Berman Adams, Winchester, $37,273, surface treating above road, to R. B. Tyler Co., 114 South 4th St., Louisville, $4,353. Noted Apr. 12.

Kentucky—State Hy. Comn., Frankfort, to R. B. Tyler & Co., 114 South 4th St., Louisville, surfacing roads in Fayette, Boyle, Mercer, Woodford and Montgomery Counties $13,400, in Shelby, Scott, Henry and Oldham Counties $20,055, Hart and Warren Counties $11,064; to Eaton Oil Wks., Sterrett and Louisville and Nashville R.R. Cov., Cincinnati, O., in Bracken, Pendleton and Bourbon Counties $34,155; To Southern Oil and Tar Co., Clay and Fulton Sts., Louisville, in Garrard, Jessamine, Madison and Estill Counties $22,743, Nelson and Marion Counties $7,934, Pulaski, Lincoln, Rockcastle and Bell Counties $27,386. Noted Apr. 5.

O., Akron—S. Porter, clk. Summit Co., to A. F. Wible, 859 Chalker St., grading and paving Hammonds Corners Ira Rd. 46, 11,000 cu.yd. earth excav. $0.65 per cu.yd., 12,000 sq.yd. 3 in. bituminous macadam $1.15, total $38,147, engrs. est. $38,216; to Hollinger & Davidson, 435 South Bway., Akron-Northampton Rd. 27-A-1, 6,000 sq.yd vitr. brick $2.63, 8,000 sq.yd. 5 in. gravel base $0.40, 8,000 sq.yd. 5 in. gravel top $0.40, 6,000 sq.yd. 6 and 7 in. concrete base $1.70, total $49,482, engrs. est. $50,127; to T. E. McShaffrey Constr. Co., 171 South Forge St., Granger-Ghent Rd. 79, $47,214, engrs. est. $50,975. Noted Apr. 26.

O., Cleveland—Grading, curbing and vitr. brick paving 6,130 sq.yd. Grovewood and Darley Aves., to H. G. Herring, Pavers Exch., Society for Savings Bldg., $46,909; 14,470 sq.yd. Eaglesmere, Sylvia and Idarose Aves., to Gould & Maybach, 823 East 150th St., $92,333; East 105th St., to Baldwin Bros., 4500 Euclid Ave., $8,661; Beyerle Rd., to Enterprise Paving & Constr. Co. 8444 Bway., $9,856; asphalt paving 2,880 sq.yd. East 131st St. and 8,050 sq.yd. north side of Public Sq., East 121st and East 127th Sts., to Cleveland Trinidad Paving Co., The Arcade, $24,876 and $46,170 respectively; 61,687 sq.ft. cement sidewalks in southerly and northerly sidewalk districts, to P. H. De Santis, East 22nd St. near Woodland Ave., $61,687; 340,000 sq.ft. cement sidewalk in West Park and westerly sidewalk districts, to M. P. Platten, Engineers Bldg., $90,804. Noted Apr. 26.

O., Cleveland—For 534,700 sq.ft. stone sidewalks in West Park, westerly, southerly and northerly sidewalk districts, to Ohio Quarries Co., Citizens Bldg., $175,457. Noted Apr. 26.

O., Cleveland — Cuyahoga Co., grading and paving 11,350 sq.yd. Riverside Dr., sheet asphalt on concrete, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $71,680. Engrs. est. $71,907.

O., Dayton—Montgomery Co., paving 12,000 sq.yd. Fairview Ave., Kentucky rock asphalt on concrete, to E. A. Smith, 702 Commercial Bldg., $40,234.

O., Maple Heights (Bedford, P. O.)—Grading and laying 72,175 lin.ft. stone sidewalks on Libby Court and Dunham Rd., to Cleveland Stone Co., 1836 Euclid Ave., Cleveland, $21,187; grading Dunham Rd., to Green-Mills Co., Bedford, $5,900.

O., Marion—E. A. Schultz, dir. Pub. Serv., to P. Drake & Sons, Marion, grading, curbing, guttering, laying mains and brick paving Fairground St. $28,679, Uncapher Ave. $65,950, Merchant Ave. $14,493, Forest St. $9,891; to H. P. Streicher Co., 319 Terminal Bldg., Toledo, sheet asphalt paving, etc., Courtland Ave. $6,263. Noted Apr. 12.

Ind., Terre Haute—Vigo Co., paving 25,956 sq.yd. Devonald Rd., concrete, to J. M. Robertson, Terre Haute (street address not available), $57,286. Engrs. est. $77,800. Noted Apr. 19.

Ill., Chicago Heights—Concrete paving, to Central Constr. Co., Chicago Heights. Engrs. est. $25,000.

Ill., Elmhurst—Concrete paving various streets, to Pronger & Black, Blue Island. Engrs. est. $115,000. Noted Apr. 12.

Ill., Harvey—Concrete paving Block 69 and Central Ave. from 155th St. to Park Ave. to Central Constr. Co. and G. H. Summerville, both of Chicago Heights. Engrs. est. $30,000. Noted Apr. 12.

Wisconsin—State Hy. Comn., Madison, concrete surfacing, etc., Lake Shore Rd., Federal Aid Project 318, Ozaukee Co., and Brown Deer-Menomonee Falls Rd., Federal Aid Project 285, Milwaukee Co., to Monad Constr. Co., 122 West Main St., Wauwatosa, $77,750 and $26,047 respectively; Elkhorn-East Troy Rd., Federal Aid Project 230, Walworth Co., to Whitewater Bridge Co., Commercial Bank Bldg., Whitewater, $108,182. Noted Apr. 19.

Wisconsin—State Hy. Comn., Madison, grading, surfacing, etc., Watertown-Hubbleton-Waterloo Rd., Project 316, and Watertown-Hubbleton Rd., Project 314, Dodge and Jefferson Counties, to Hays, Fountain & Hays, 211 Hayes Blk., Janesville, $32,391 and $33,852; Richland Center-Boaz Rd., Sect. 2, to Jones & Hiestand, Lancaster, $37,518. Noted Apr. 12.

Wis., Burlington—City will pave various streets, 8,100 sq.yd. concrete, 5,114 lin. ft. concrete curb and gutter, by day labor. $25,000. Noted Mar. 1.

Wis., Ripon—Rein.-con. paving, curbing and guttering various streets, to C. Johnson, 75 Main St., Oshkosh. Engrs. est. $25,000. Noted Apr. 26.

Wis., Watertown—Rein.-con. paving various streets, to Haues, Fountain & Haues, Hayes Blk., Janesville, $61,145. Noted Apr. 5.

PAVING—CLINTON, IOWA

Following are lowest three bids opened by City, March 27, for grading, curbing and paving various streets, Sects. A to J, (A) McCarthy Improvement Co., 802 Kahl Bldg., Davenport, (awarded contract); (B) Central Eng. Co., Davenport; (C) Wright Contg. Co., Des Moines. The unit bids were as follows:

	A	B	C
78,691 sq.yd. 3 in. sheet asphalt surfacing on 5 in. concrete base	$3.10	$3.15	$3.20
6,277 sq.yd. brick car track construction	4.50	4.60	5.25
3,000 sq.yd. resurfacing with 3 in. asphalt	2.02	2.09	2.10
3,000 sq.yd. resurfacing with 2 in. bitulithic	1.90	2.15	2.10
38,574 lin.ft. 30 in. combined curb and gutter	1.11	1.23	1.20
3,692 lin.ft. 24 in. gutter only	.65	.85	.75
5,175 sq.ft. concrete walks	.25	.20	.25
879 sq.ft. concrete alley paving	2.75	2.80	3.00
305 sq.yd. extra concrete base	12.00	15.00	13.00
1,130 cu.yd. excess grading	.80	1.00	.90
346 lin.ft. 10 in. sewer	1.10	1.20	1.30
2 new manholes, complete	70.00	80.00	75.00
51 new catch basins, complete	70.00	80.00	75.00
17 new inlet basins	27.00	40.00	27.00
17 new manhole castings, in place	15.00	20.00	15.00
1,002 lin.ft. 10 in. catch basin connections	1.10	1.20	1.30
85 sq.yd. old paving adjustment	1.00	.75	1.00
100 cu.yd. rock excavation	3.50	3.00	4.00
Extended totals	$338,083	$350,096	$350,292

SEWERS—PLEASANT RIDGE, MICH.

Bids were opened by Village, March 19, for constructing complete sewerage system from (A) G. Ponterilli, Wolverine Hotel, Detroit (awarded contract); (B) Hammen & Co., 4612 Woodward Ave., Detroit; (C) Scott, Cochran & Scott, Lansing. The unit bids were as follows:

	A	B	C
5955 lin.ft. 12 in. pipe	$2.40	$3.10	$2.84
3130 lin.ft. 15 in. pipe	2.60	3.49	3.60
2874 lin.ft. 18 in. pipe	3.40	4.78	4.60
1305 lin.ft. 20 in. pipe	4.00	5.38	5.05
1437 lin.ft. 22 in. pipe	4.40	7.16	7.20
1954 lin.ft. 24 in. pipe	5.00	7.08	8.05
1213 lin.ft. 27 in. pipe	6.50	7.49	9.60
3013 lin.ft. 30 in. pipe	7.65	9.20	10.70
812 lin.ft. 33 in. pipe	8.30	9.98	12.45
295 lin.ft. 36 in. pipe	8.80	10.80	13.55
603 lin.ft. 42 in. pipe	9.80	13.98	15.20
307 lin.ft. 48 in. pipe	12.85	15.88	16.25
584 lin.ft. 60 in. pipe	22.50	24.07	32.00
971 lin.ft. 66 in. pipe	28.00	29.27	36.00
78 manholes	160.00	115.00	100.00
Extended totals	$156,446	$187,114	$206,000

SEWERS—ALHAMBRA, CALIF.

Following are lowest three bids opened by City, for San Marino Outfall system, Divisions 2, 3, 4, and 5, (A) Hickey & Harmon, East San Diego; (B) G. W. Kemper, 253 South Broadway, Venice; (C) R. H. Downer, Richmond. The unit bids were as follows:

	A	B	C
20,743 lin.ft. 8 in. vitrified pipe	$0.90	$1.25	$1.26
15,095 lin.ft. 10 in. vitrified pipe	1.00	1.50	1.33
4,460 lin.ft. 12 in. vitrified pipe	1.21	1.70	1.50
4,996 lin.ft. 15 in. vitrified pipe	1.50	1.80	1.65
2,894 lin.ft. 18 in. vitrified pipe	2.05	2.10	1.83
9,623 lin.ft. 20 in. vitrified pipe	2.40	2.40	2.28
3,257 lin.ft. 24 in. vitrified pipe	3.40	3.70	3.62
581—8x4 Y branches	1.25	.75	.75
363—10x4 Y branches	1.70	.85	1.00
107—12x4 Y branches	2.25	1.20	1.50
181—15x4 Y branches	3.10	1.80	2.00
85—18x4 Y branches	4.00	2.00	2.20
233—20x4 Y branches	5.00	2.25	2.86
65—24x4 Y branches	8.00	3.50	2.88
185 manholes	85.00	80.00	100.00
2 drop manholes	95.00	95.00	100.00
3 flush tanks	150.00	160.00	110.00
15 standard chimneys	5.00	.75	18.00
Alternate No. 1			
2,509 lin.ft. 30 in. segmental vitrified pipe	6.50	6.50	7.80
Alternate No. 2			
2,509 lin.ft. 27 in. vitrified pipe	4.56	5.00	5.00
Extended totals Alternate No. 1	$123,806	$140,350	$141,409
Extended totals Alternate No. 2	118,939	136,587	134,635

Wis., West Bend—Washington Co. State Road and Bridge Com., improving Allenton-West Bend Rd., concrete, to Froemming Bros., 1326 Humboldt Ave., Milwaukee, $44,008. Noted Apr. 5.

Ia., Cherokee—Cherokee Co., gravel surfacing 22 mi. Primary Rd. Project 295, to M. J. Gilleas Co., Cherokee, furnishing 13,323 cu.yd. gravel $3,997; W. H. McDaniels, Ft. Dodge, hauling 28,860 half-mile units $7,875; A. H. Einung, Jasper, Minn., hauling 179,870 half-mile units, $23,124. Noted Apr. 5.

Ia., Davenport—Scott Co., grading and gravel surfacing roads, 35,540 cu.yd. excav. and 12,250 cu.yd. gravel, to Jenner Bros., Davenport, $46,554.

Ia., Dunlap—For 60,000 sq.yd. paving, 21,000 cu.yd. excav. and 31,000 lin.ft. curb and gutter, to Des Moines Asphalt Paving Co., 2nd and New York Sts., Des Moines, $211,422. Noted Mar. 29.

Ia., Ft. Madison—To Cameron, Joyce Constr. Co., Keokuk, grading, curbing and 3 in. brick paving 22,870 sq.yd. 2nd and Hanover Sts., grading $0.81 per cu.yd., curb and gutter $1.06 per lin. ft., paving $3.41 per sq.yd., paving between street railway tracks, $4.60; widening and cement concrete paving 4,200 sq.yd. Santa Fe Ave., grading $0.68, concrete curb $0.65 and pavement $2.67.

Ia., Manning—To J. S. McLaughlin & Sons, Mankato, Minn., 40,000 sq.yd. paving.

Streets and Roads (Continued)

concrete with granite aggregate, $2.35 per sq.yd. and 36,000 lin.ft. concrete curb and gutter, $0.32 per ft., total $125,480. Noted Feb. 1.

Ia., Oskaloosa—To McCarthy Impvt. Co., 802 Kahl Bldg., Davenport, 8,348 sq.yd. asphalt concrete pavement and 5,167 lin.ft. concrete curb and gutter $2.59 per sq.yd., 3,672 sq.yd. concrete resurfacing and 126 lin.ft. concrete curb and gutter $1.42 per sq.yd.

Minn., Buffalo—Wright Co., 3.8 mi. Job 2301, State Rd. 5, 41,201 cu.yd. excav., 37,043 cu.yd. overhaul, 4.8 mi. Job 2302, State Rd. 1, 39,412 cu.yd. excav., 28,051 cu. yd. overhaul; 5.5 mi. Job 2303, State Rd. 6, 50,992 cu.yd. excav., 37,351 cu.yd. overhaul, to Olson & Carlson, 3338 Lyndale Ave. S., Minneapolis, $11,506, $12,788 and $15,077 respectively; gravel surfacing 3 mi. Job 2304, State Rd. 3, to M. D. Rogers, Glencoe, $2,676. Noted Mar. 29.

Minn., Duluth — Concrete paving 18,100 sq.yd. 24th Ave. W., 53,000 cu.yd. excav., 8,080 lin.ft. concrete curbing, etc., to D. H. Clough Co., 405 Palladio Bldg., $58,982. Noted Apr. 12.

Minn., St. Paul—Constructing, relaying and repairing sidewalks in city during 1923, to Standard Stone Co., 98 Garfield St. Noted Apr. 12.

Kan., Holton — Jackson Co. grading, bridging, etc., 8.797 mi. Federal Aid Project 149, grading to Meade Constr. Co., Beloit, $26,428; bridges to N. T. Hopkins, Topeka (street address not available), $16,902; culverts to F. Grundeman & Son, Netawaka, $17,196. Noted Mar. 15.

South Dakota—State Hy. Dept., Pierre, grading 6.11 mi. Project 124, Codington Co., and 10.47 mi. Project 92 A, Day Co., to Dowd Bros. & Schreiber Constr. Co., Watertown, $18,106 and $44,793 respectively; 6.19 mi. Project 20 B, Walworth Co. and 8.95 mi. Project 131, Campbell Co., to Linton Bridge Co., Linton, N. D., $32,650 and $23,874 respectively; 8.15 mi Project 101, Campbell Co., and 9.74 mi. Project 132, McPherson Co., to Wilmar Constr. Co., Wilmar, Minn., $27,936 and $36,621 respectively; 9.94 mi. Project 122, Deuel Co., to Spencer & Chambers, Marshall, Minn., $44,350; 10.89 mi. project 119, Grant Co., to P. G. Thompson & Son, Summit, $32,163; 6.81 mi. Project 139, Roberts Co., to Jahnig & Davis, Britton, $36,513. Noted Mar. 15.

Wyoming—State Hy. Comrs., Cheyenne, grading, surfacing, etc. 6 mi U-Cross-Double Crossing Rd., Federal Aid Project 116-B-1, Sheridan Co., to F. H. Fraser, Sheridan, $45,322; 11.3 mi. Green River-Peru Rd., Federal Aid Project 58, Sweetwater Co., to F. A. Bundy, Cheyenne, $79,225; grading, surfacing, subway paving, etc., 2 mi. Cheyenne-Laramie Rd., Lincoln Highway, Federal Aid Project 46, Laramie Co., to J. Davis, Bordeaux, $15,719. Noted Apr. 19.

Mo., St. Louis—Bd. Pub. Serv., City Hall, for following concrete alleys, 6,335 sq.yd. 6 and 8 in., to Eyermann Constr. Co., 1216 South Grand St., $17,982; 5,025 sq.yd. 8 in., to Independent Quarry & Constr. Co., Title Guaranty Bldg., $14,703; 680 sq.yd. 6 in., to Blackburn & Creamer, Syndicate Trust Bldg., $1,847; 3,670 sq.yd. 6 in., to Skraimka Bros. Constr. Co., Security Bldg., $10,852; 615 sq.yd. 6 in., to T. E. Cavanaugh, 6452 Oakland Ave., $1,697; 2,605 sq.yd. 6 in., to W. Hoffner, 715 South Vandeventer St., $6,517; 860 ft. 10-21 in. vitr. sewer in Harlem Creek Sewer 21 and 695 ft. 8 and 12 in. vitr. sewer in Arloe Sewer 4, to Riley Contg. Co., International Life Bldg., $4,067 and $2,509 respectively. Noted Mar. 29.

Tex., Greenville — Hunt Co. surfacing Caddo Mills Rd., Highway 1, to J. E. Ward, 224 South Lancaster St., Dallas, $42,682; county to furnish materials in cars or storage piles (175 working days).

Okla., Saure—Grading and paving Bway. Ave., 5,000 cu.yd. excav., 14,700 cu.yd. concrete, to Pearce Constr. Co., Edmond, $64,795. Noted Apr. 12.

Nevada—State Hy. Comn., Carson City, grading and concrete paving 1.22 mi. through Fallon, Churchill Co., 1,900 cu.yd. excav., 12,890 sq.yd. concrete pavement, etc., to Strahan, Bishop & Brooks, 201 Hagelstein Bldg., Sacramento Calif., $23,581. Noted Apr. 5.

Nev., Reno—For 573,340 sq.ft. 5 in. and 15,954 sq.ft. 2 in. asphaltic concrete, to Clark & Henery Constr. Co., 38 South Sutter St., Stockton, Calif., $125,023. Noted Mar. 29.

Washington—State Hy. Comn., Olympia, concrete paving 4.5 mi. Pacific Highway from Neals to Toledo, Lewis Co., to Goets & Brennan, Seaboard Bldg., Seattle, $141,278; 33,800 sq.yd. concrete on Sunset Highway from Wenatchee Bridge north, Douglas Co., to Yakima Paving Co., Yakima, $99,435; constructing 6.9 mi. Inland Empire Highway from Colville to Myers Falls, crushed rock surface, to Mitchell Bros., East 127 Mission St., Spokane, $43,962. timber truss bridge and timber approaches over Nemah River on Ocean Beach Highway, Pacific Co., to Willapa Constr. Co., Raymond, $16,011. Noted Apr. 5.

Wash., Centralia—For 34,500 sq.yd. concrete, etc., to R. G. Stevenson, 1327 North 34th St., Seattle, $102,640. Engrs. est. $110,000. Noted Apr. 19.

Wash., Seattle—Concrete paving 14,225 sq.yd. Findlay St., et al, 1,020 lin.ft. asphaltic and 9,950 lin.ft. concrete curbing, to Coluccio & Erickson, 517-22 South St., $43,030, engrs. est. $37,000; 20,000 lin.ft. 6 in. and 5,200 lin.ft. 5 in. concrete sidewalk, Atlantic St. et al., to Paduano & Co., 646 West 51st St., $31,532, engrs. est. $38,236. Noted Apr. 26.

Oregon—State Hy. Comn., Salem, broken stone surfacing 7.72 mi. Dallas-California Highway, Wasco Co., 16 ft., to Montague-O'Reilly Co., Commonwealth Bldg., Portland, 8,500 cu.yd. broken stone top $2.34, 6,500 cu.yd. base $2.29, etc., total $38,458.

Ore., Portland — Paving 23,000 sq.yd. East 9th, East 10th, East 21st and East 22nd Sts., Ridgewood Dr. and Ridgewood Ave., 2 in. asphaltic concrete on 4 in. concrete, to A. D. Kern, Exchange Bldg., $35,018.

Calif., Calipatria—Grading and paving Main St., et al., 6,091 cu.yd. earth excav., 26,700 sq.yd. concrete, etc., to Cushing Constr. Co., 1501 Brooks Ave., San Diego, $89,886.

Calif., Chico—Carbing and paving Esplanade, to T. H. Polk, Chico, 183,000 sq.ft. 4 in. asphaltic macadam at $0.15 per sq.ft., 3,000 lin.ft. concrete curb at $0.55. Noted Apr. 26.

Calif., Chico — City grading, curbing, guttering and paving Dists. 1, 2 and 3, to Chico Contg. Co., Chico, $154,576, $46,048 and $21,044 respectively. Noted Apr. 19.

Calif., Kingsburg — Grading, concrete curbing, guttering, sidewalks and paving Riverside, 19th and 20th Sts., 105,393 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, etc., to California Constr. Co., Mattei Bldg., Fresno, $53,150. Noted Apr. 26.

Calif., Martinez—Grading, curbing, guttering and paving portions Castro, Haven, Mason Sts., etc., to J. T. Sayles, Martinez, $87,305. Noted Apr. 19.

Calif., Palo Alto—Improving Southgate Division, to Shattuck Constr. Co., 525 Market St., San Francisco, 250,000 sq.ft. 5 in. concrete $0.184 per sq.ft., 20,000 sq.ft. cement walks and 20,000 lin.ft. concrete curb, etc. Noted Apr. 19.

Calif., San Diego—Common Council to California Constr. Co., Union Bldg., paving Goldsmith and Evergreen Sts., $16,234. 5th and A Sts., $20,049; to G. R. Daley, 4430 Boundary St., paving Eagle St., $14,073. Noted Apr. 26.

Calif., Santa Rosa—Grading and warrenite paving portions Davis, Cherry, A and Wilson Sts., to Warren Constr. Co., Bacon Bldg., Oakland, $47,185. Noted Apr. 19.

Quebec—Provincial Hy. Dept., Quebec, 6,450 ft. concrete roadway on Montreal-Sherbrooke Route at Marieville, to Kennedy Constr. Co., 310 Shaughnessy Bldg., Montreal, $35,211.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, macadam base course 5 mi. Contr. 800, to G. Farmer & Sons, Ottawa, (street address not available) $50,000, 3.1 mi. Contr. 801, to E. Irvine & Co., Alexandria, $35,000; grading 5 mi. Contr. 802, to J. E. McDonald, Whitby, $25,000, 2.6 mi. Contr. 805, to J. A. Smith and N. Greenlas, Joyceville, $15,000, 4 mi. Contr. 806, to Curran & Briggs, 51 Rusholme Park Crescent, Toronto, $25,000, 9 mi. Contrs. 811 and 812, to G. Campbell, Essex, $45,000, 4 mi. Contr. 813, to W. Beggs, Woodslee, $20,000, 2.6 mi. Contr. 814, to J. McMurren, South Woodslee, $15,000, 6 mi. Contr. 815, to J. J. Dewhearst, Wardsville, $30,000, 5.3 mi. Contr. 807 and 3.1 mi. Contr. 809, to National Tie & Timber Co., Funstrum, $25,000 and $18,000 respectively, 4 mi. Contr. 803 and 1.56 mi. (incl. macadam base course) Contr. 804, to Belanger & Walsh, L'Orignal, $20,000 and $20,000 respectively.

Industrial Work

PROPOSED WORK

Me., Calais — Hollingsworth & Whitney Co., 185 Devonshire St., Boston, plans 2 story factory, here. $200,000. Engineer and architect not selected.

Mass., East Walpole—Bird & Son, Inc., having plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 1 and 2 story, 90 x 540 ft. factory, brick and steel, plain foundation. $225,000. Noted Jan. 11.

R. I., Providence—Franklin Process Co., 564 Eddy St., having plans prepared by Lockwood Greene & Co., Inc., archts. and engrs., 24 Federal St., Boston, 4 story, 53 x 110 ft. factory, brick and timber.

Conn., Hartford—Tuska Electric Co., 69 Bartholomew Ave., having plans prepared by Greenwood & Moerr, archts. and engrs., 847 Main St., 2 story, 30 x 70 ft. factory, steel and timber, plain foundation, Homestead Ave. $45,000.

Conn., New Britain—Landers, Frary & Clark, Commercial St., having plans prepared by M. J. Unkelbach, 162 Main St., 3 story, brick and steel factory addition. $65,000.

N. Y., Charlotte—Fruit Growers Syndicate having plans prepared by J. Strobel, 52 Lake View Park, Rochester, 3 story and basement, 120 x 140 ft., cold storage warehouse, concrete, brick and steel, Fleming Rd. $150,000-$160,000. A. E. Kelley, pres.

N. Y., Jamestown — Jamestown Metal Desk Co., Blackstone Ave., plans 1 story, 73 x 170 ft. brick addition to plant. $55,000. Engineer and architect not announced.

N. Y., Rochester—Amer. Lithograph Co. plans 2 story, 20 x 132 ft. brick plant with 35 x 60 ft. wing, Hollenbeck St. $90,000.

N. Y., Rochester—Rochester Gas & Electric Corp., Clinton Ave. N., plans rein.-con. transformer station, 26 Swan St. $40,000-$45,000.

N. Y., Rome—Manufacturers Power Corp. plans concrete and steel power house on barge canal, also high tension transmission lines. $100,000. Address M. J. Larkin, c/o owner.

N. Y., Stewarts Landing (Dolgeville, P. O.)—See "Dams."

N. Y., Tonawanda—National Roofing Co. plans to rebuild portion of plant, Fillmore Ave. $75,000. Engineer and architect not selected.

Pa., Carlisle—C. H. Masland & Sons having plans prepared by Lockwood-Green, engrs. and archts., 101 Park Ave., New York City, 3 story, 100 x 250 ft., brick and steel plant, plain foundation.

Pa., Nanticoke—Susquehanna Collieries Co., Nanticoke, plans to rebuild plant recently destroyed by fire. $150,000. Engineer or architect not announced.

Pa., Spartansburg—Spartansburg Oil & Gas Co. plans new oil refinery. $150,000. Engineer or architect not announced.

Md., Baltimore—Porcelain Enameling & Mfg. Co., 8th and O'Donnell Sts., having plans prepared 1 and 2 story, 100 x 520 ft. factory, brick and steel, Eastern Ave. and 3rd St. $160,000. H. Turk, pres. Private plans. Noted Apr. 26.

Md., Hagerstown — Moller Motor Co., Montgomery Ave., Lewistown, Pa., plans plant, here. $50,000. Engineer and architect not announced.

Ga., Fitzgerald—Union Cotton Oil Co. plans factory. $50,000. Engineer and architect not announced.

Ala., Birmingham—Packard Birmingham Motors Co., 1010 Sycamore St., plans to rebuild factory, recently destroyed by fire. $300,000. Engineer and architect not announced.

O., Cleveland—M. N. Miller, 2036 East 105th St., had plans prepared 1 story, 45 x 190 ft., brick and steel garage, 2134 East 107th St. $40,000. Private plans.

O., Cleveland—Ferro Machine & Fdry. Co., East 66th St. and Hubbard Ave., had plans prepared 1 story, 70 x 100 ft., brick and steel foundry. $40,000. Private plans.

O., Cleveland—L. B. Koblitz, Leader-News Bldg., plans 1 story, brick and steel garage, Cedar Ave. near East 106th St. $50,000. Private plans. Red Top Cab Co., 1532 Lakeside Ave., lessee.

O., Cleveland—Princton Realty & Investment Co., Cleveland Discount Bldg., had plans prepared by E. A. Kraus, Cleveland Discount Bldg., 1 story 37 x 140 ft. garage and 37 x 60 ft. commercial building, brick and steel. $50,000.

O., Youngstown—Dieter Dairy Co., Mahoning Ave., plans 2 story, 40 x 60 ft., brick, rein.-con. and steel plant. Engineer and architect not announced.

Ind., Indianapolis—Chicago, Indianapolis & Louisville Ry., 608 South Dearborn St., Chicago, plans freight terminal, incl. 3 story freight house, team yard and track elevation, here. $500,000. A. S. Kent, ch. engr.

Mich., Springwells—Paige Detroit Motor Co., Fort St. and McKinstry Ave., Detroit, had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story, 280 x 988 ft., concrete, brick and steel plant, plain foundation, Warren Ave., here.

Ill., Chicago—Commodore Garage Co., 812 Crescent Pl., plans 2 story, 100 x 176 ft. garage, rein.-con., brick and steel, 4117-25 Bway. $100,000. D. S. Klafter, 64 West Randolph St., archt.

Wis., Iron River—Iron River Light & Power plant plans 1 story, hydro-electric power plant, rein.-con., brick and steel, plain foundation. $50,000. Engineer and architect not selected.

Industrial Works (Continued)

Wis., Madison—J. Petersen, 102 South Orchard St., taking bids 2 story, 99 x 127 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Madison—Washington Bldg. Corp., 357 Washington Bldg., plans 2 story, steam heating plant, rein.-con., brick and steel, plain foundation, Washington St. $80,000. C. J. Ellis, mgr. Engineer and architect not selected.

Wis., Milwaukee—School Bd. having preliminary plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., 3 story and basement, 125 x 150 ft., brick and concrete warehouse, plain foundation, 11th St. $100,000.

Wis., Sheybogan — Sheboygan Mattress Co., 1214 Michigan Ave., plans 2 story, 75 x 95 ft., brick, rein.-con. and steel factory, plain foundation, Michigan St. $80,000. J. Maisack, pres. Engineer and architect not selected.

Wis., Sheboygan—Lincoln Plywood Co., South Water St. and New York Ave., having plans prepared by W. C. Weeks, 720 Ontario Ave., 1 story, 90 x 90 ft. factory, incl. dry kilns, milling room, veneer dry room and planer room, rein.-con., brick and steel, plain foundation. $50,000.

Wis., Sheboygan—J. Van der Voort, 533 Pennsylvania Ave., having plans prepared by E. A. Juul, Security Bldg., 4 story, 60 x 120 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. $70,000. Noted Apr. 12.

Minn., Willmar — Plans electric power plant and waterworks system. $157,000. Cory & LeCocq, Aberdeen, S. D., engrs. Noted Mar. 8 under "Waterworks."

Kan., Arkansas City—Roxana Petroleum Co., Arcade Bldg., St. Louis, Mo., has taken option on site here for large oil refinery. Considering another site at Wichita. $4,000,000. Engineer and architect not announced.

Mo., Lebanon—Rice-Stix Dry Goods Co., 1000 Washington St., St. Louis, plans 3 story and basement, 100 x 125 ft., rein.-con. and brick factory, plain foundation, Main St., here. $75,000. Private plans.

Mo., St. Louis — Landau Cabinet Co., Tower Grove and Folsom Aves., soon takes bids 4 story, 50 x 80 ft., rein.-con. and brick factory addition, plain foundation. $100,000. Engineer and architect not announced.

Tex., Amarillo—Russell & Cockrell had plans prepared by L. A. Kerr and J. C. Berry & Co., archts. and engrs., Amarillo, 2 story, 60 x 140 ft., printing plant, brick, Taylor St. $100,000.

Okla., Ardmore—Pure Oil Co., Pure Oil Bldg., Columbus, O., plans large addition to oil refinery here. $250,000.

Okla., Okmulgee—X-R Gill Co. having plans prepared by Smith & Senter, 401 Commerce Investment Bldg., 3 story and basement, 78 x 118 ft. garage, rein.-con., brick and stone. $125,000.

Okla., Sand Springs—Consumers Ice Co. plans ice plant. $75,000. Private plans.

Washington — City of Tacoma having plans prepared by J. L. Stannard, engr., 702 Balboa Bldg., San Francisco, power houses, one 30,000 hp., other 45,000 hp.; storage dam, probably concrete arch type, 90 ft. at bottom, 290 ft. at top, final height 220 ft. above stream level; transmission lines, etc., at Lake Cushman. Noted Nov. 16.

Wash., Tacoma—Tacoma Gas & Fuel Co., 10th and A Sts., plans 80 x 100 ft. and 30 x 80 ft. buildings. $250,000.

Calif., Los Angeles—F. D. Chase, engr., Title Insurance Bldg., takes bids about May 7, 6 story with 10 story tower, 90 x 140 x 160 x 260 ft., U shape, industrial building, brick, Downey Rd., for Los Angeles Central Mfg. Dist. $750,000.

Calif., San Bernardino — Southern Terminal Warehouse & Storage Co., represented by H. C. Shaw, plans 2 or 4 story warehouse, rein.-con. and steel, Rialto St. To exceed $90,000.

Calif., San Francisco—Paraffine Co., Inc., 34 1st St., having plans prepared by L. S. Rosener, Insurance Exch. Bldg., alterations and additions to 3 story and basement, 275 x 275 ft. paper carton factory, Brannan St. near 3rd St. To exceed $50,000.

Calif., San Francisco—Bass-Hueter Paint Co., 816 Mission St., had plans prepared 4 story, 86 x 100 ft. warehouse, concrete, Kansas and 24th Sts. To exceed $40,000. Private plans.

Calif., San Francisco — Gough Furniture Co., 2301 Mission St., had plans prepared by M. I. Schwartz, Nevada Bank Bldg., 2 story warehouse, rein.-con., Capp St. near 18th St. To exceed $40,000.

Ont., Hamilton—Stanley Steel Wks. of Canada, Ltd., Arthur St., plans extensions to plant. $100,000. A. Hatch, mgr.

Ont., Hespeler—Wood Specialty Co. plans to expend $60,000 for extending and equipping plant.

Ont., London—Starr Phonograph Co., 265 Dundas St., plans plant. $50,000. J. A. Croden, mgr.

Ont., Monteith—Hawk Lake Lumber Co., Monteith, plans mill with 30,000 ft. daily capacity, also pulp rossing drum at Wasack 45 mi. west of Cochrane.

Ont., Toronto—Gowans, Kent & Co. Ltd., 16 Front St. E., plans 8 story, rein.-con. factory, 20-22 Front St. W. $300,000. Architect not selected.

BIDS DESIRED

Conn., Hartford—May 12, by H. Bland, 521 Park St., 1 story 50 x 120 ft. garage, brick and steel, plain foundation. $40,000. Berenson & Moses, 30 Allyn St., archts. Noted Apr. 26.

Conn., Hartford—May 5, by I. A. Allen, Jr., archt., 100 Farmington Ave., 80 x 100 ft. garage, rein.-con. and brick, plain foundation, for Brown, Thomson Co., Main St. $40,000.

Conn., Waterbury—May 9, by Connecticut Brass Fdry., 600 East Main St., 2 story, 30 x 40 ft. factory, brick and steel, plain foundation. $40,000. H. F. Wenzel, 6 Glen Ridge St., archt. Noted Apr. 19.

Pa., Phila.—A. Leibowitz, 4045 Baltimore Ave., taking bids 1 story, 16 ft. high, 63 x 100 ft. rein.-con., brick and steel garage, plain foundation, 63rd and Woodbine Sts. $50,000. F. P. Canavan, 7030 Greenway Ave., archt.

O., Cleveland — Broadhead-Garrett Co., 2835 East 51st St., taking bids and opens same about May 15, 300 x 360 ft. timber warehouse, 40 x 40 ft. brick dry kiln, 40 x 50 ft. timber planing mill, brick boiler house, office and garage building, East 71st St. along tracks of Belt Line R.R. $200,000. Best & Hoefler, 6523 Euclid Ave., archts. Noted Apr. 5.

Wis., Green Bay—A Libert Machine Co., 324 North Roosevelt St., taking bids 1 story, 55 x 100 ft., brick and timber machine shop, plain foundation. $40,000. Private plans.

Wis., Kenosha—White & Co., archts., Pub. Serv. Bldg., taking bids 1 story, 64 x 125 ft., brick, tile and concrete garage, plain foundation, Elizabeth St., for Mantkus Motor Sales Co., 313 Park St. $40,000.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St., taking bids 100 x 100 ft., brick and timber factory addition, for Manufacturers Box Co., 32 Keefe Ave. $40,000.

Wis., Sheboygan—Dillingham Mfg. Co., Wisconsin Ave. and South Water St., taking bids 1 story, 50 x 60 ft. factory, brick and rein.-con., plain foundation, Water St. $40,000. W. C. Weeks, 720 Ontario Ave., archt.

Kan., Wichita—Engstrom Lumber Co., 318 West Douglas St., taking bids 2 story and basement, warehouse and office, Waco and Douglas Sts. $50,000. H. S. Conrow, 623 Beacon Bldg., archt.

Calif., San Francisco—Engineering Dept., Standard Oil Co., Standard Oil Bldg., receiving bids several rein.-con. buildings, tanks, etc., for oil distributing plant, on block bounded by Beach, Jefferson, Jones and Leavenworth Sts. $500,000. Noted Apr. 19.

Calif., San Pedro—A. G. Bailey, archt., Junior Orpheum Bldg., Los Angeles, receiving bids 2 story, 100 x 122 ft., rein.-con. garage, 9th St., for C. K. Cook, San Pedro. $75,000.

CONTRACTS AWARDED

N. H., Nashua—International Paper Box Machine Co., 315 Main St., 1 story, 50 x 300 ft. factory addition, brick and timber, plain foundation, to S. Belanger & Sons, Inc., 308 Main St. Archts. est. $40,000.

Mass., Cambridge—Ginn & Co., 15 Ashburton Pl., Boston, 5 story and basement, 55 x 325 ft. plant, brick and rein.-con., 1st St., to Evatt Constr. Co., 200 Devonshire St., Boston. Archts. est. $350,000. Noted Mar. 29.

R. I., Harrisville — Stillwater Worsted Mills having plans prepared by Lockwood, Greene & Co., archts. and engrs., 24 Federal St., Boston, 2 story, 47 x 90 ft. storage building, etc. Work will be done by day labor.

Conn., Ansonia—A. V. Pepe, Olivia St., 2 story, 30 x 130 ft. factory, brick and timber, plain foundation, Olivia St., to C. B. Hickey, 350 Hawthorne Ave., Derby. Owner will do carpentry work. Archts. est. $40,000. Noted Apr. 19.

Conn., Bridgeport — Jenkins Bros., 510 Main St., 4 story, 72 x 175 ft. factory addition, rein.-con., brick and steel, Water St., to J. W. Ferguson Co., 253 Bway., New York City. Archts. est. $250,000. Noted Mar. 15.

Conn., Southington — Southington Hardware Co., Center St., 2 story, 55 x 114 ft. factory, brick and concrete, plain foundation, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $60,000. Noted Apr. 19.

Conn., Torrington—Union Hardware Co., 535 Migeon Ave., 3 story, 100 x 180 ft. factory addition, brick and timber, plain foundation, to Torrington Bldg. Co., 182 Church St. Archts. est. $150,000. Noted Nov. 22.

Conn., Waterbury—R. F. Worden & Sons Co., Cherry St., 3 story, 50 x 75 ft. factory, brick, plain foundation, Cherry St., to Tracy Bros. Co., 52 Benedict St. Archts. est. $55,000. Noted Apr. 26.

Conn., Waterbury—J. H. Cassidy, 144 Bank St., 2 story, 50 x 60 ft. garage, brick and steel, plain foundation, Mitchell Ave., to M. Scavuzzo, 1208 North Main St. Archts. est. $40,000. Noted Apr. 19.

N. Y., Albany—A. Kupenberg, rein.-con. and steel garage, 41-47 Columbia St., to H. Goodman, 705 Bway., $125,000.

N. Y., Holley—Holley Fruit & Cold Storage Co., 100 x 106 ft. plant, 40 ft. high, rein.-con., to Alexander, Shumway & Utz Co., Rochester (street address not available). Archts. est. $75,000.

N. Y., New York—See "Buildings."

Pa., Greenville—Bessemer & Lake Erie R.R., Union Arcade, Pittsburgh, will build 1 story, 35 x 40 ft. machine shop, steel frame, by day labor. $60,000. T. T. Porter, c/o owner, engr.

Pa., Phila.—I. H. Francis, engr., Otis Bldg., 4 story and basement, 100 x 100 ft. rein.-con. and brick plant, plain foundation, Dauphin and Tulip Sts., to Cramp & Co., Denckla Bldg., for Pollock-Huston Co., Dauphin and Tulip Sts. $200,000. Noted Apr. 5.

Pa., Phila.—J. C. Kahn, Norris Bldg., 2 story and basement, 40 x 160 ft. service building, rein.-con., brick and steel, plain foundation, 1427 North Broad St., to Smith-Hardican Co., 1809 Callowhill St. Archts. est. $250,000.

Pa., Phila.—Ederer Thread Co., Elizabeth and Unity Sts., 3 story and basement, 40 x 50 ft. and 1 story, 40 x 60 ft. rein.-con., brick and steel plant, plain foundation, Elizabeth and Unity Sts., to W. Steele & Sons, 219 North Broad St. Archts. est. $50,000.

Pa., Phila. — Krakstein & Markowitz, 1214 Filbert St., 4 story, 60 x 120 ft. rein.-con. and brick garage, plain foundation, to Long & White, 14 Arnot St. $100,000.

Md., Baltimore—Baltimore Ice Mfg. Co., 2 story, 60 x 175 ft. plant, brick, plain foundation, 409-11 North Asquith St., to J. J. Walsh & Son, Preston and Charles Sts. Archts. est. $150,000. Noted Mar. 15.

W. Va., Wheeling—Hazel Atlas Glass Co., Conservative Life Insurance Bldg., 2 story, 60 x 107 ft., machine shop, to R. R. Kitchen & Co., Natl. Bank of West Virginia Bldg. Archts. est. $40,000.

Tenn., Nashville — Methodist Publishing Bd., Broad St., general contract brick, concrete and steel plant, to Rock City Constr. Co., 150 4th Ave. N. $170,000. Noted Mar. 29.

Ky., Louisville—P. Wells Co., 718 4th St., 3 story, 70 x 200 ft. garage, rein.-con. and steel, 3rd St., to National Concrete Constructing Co., Bd. of Trade Bldg. Engrs. est. $100,000.

O., Cleveland—Cleveland Heater Co., 1505 West 112th St., 1 story, 30 x 240 ft., brick and steel factory addition, Locust Ave. and 112th St., to Hebing Co., 1832 West 54th St. Archts. est. $100,000. Noted Aug. 3.

O., Cleveland—Donley Bros. Co. East 74th St. and Aetna Rd., 1st unit of plant, 1 and 2 story, 100 x 160 ft., brick, steel and concrete, East 138th St. and Miles Ave., to C. Peterson Co., 4500 Euclid Ave. Archts. total est. $300,000. Noted Dec. 14.

O., Cleveland—Star Baking Co., 2000 Carroll Ave., 1 and 2 story, 100 x 174 ft., brick, steel and concrete factory and loading shed, to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $100,000.

O., Cleveland—See "Buildings."

O., Cleveland—Lake Erie Metal Products Co., c/o J. Strad, pres., 4001 West 25th St., 1 story, 60 x 160 ft., brick and steel factory, East 152nd St., to Cleveland Structural Steel Co., 6600 Park Ave. Archts. est. $60,000. Noted Apr. 26.

O., Cleveland—Ancanster Co., c/o J. V. D. Miller, 7500 Euclid Ave., 1 story, 148 x

Industrial Works (Continued)

250 ft., brick and steel garage and commercial building, 7421 Carnegie Ave., to Drummond-Miller Co., 7500 Euclid Ave. Archts. est. $60,000.

O., Cleveland—J. Rutkowski, 6600 Park Ave., 1 story, 60 x 100 ft., steel forge shop, 6100 Park Ave., to Cleveland Structural Steel Co., 6600 Park Ave. Archts. est. $40,000.

Ill., Blue Island—Federal Refrigerating Co., c/o City Ice and Fuel Co., Cadillac Bldg., Cleveland, O., 1 story, 106 x 123 ft., 60 ft. high, ice storage plant, rein.-con., brick and steel, here, to W. Adams, 867 Rookery Bldg., Chicago. Archts. est. $150,000. Noted Mar. 22.

Ill., Chicago — Chicago Motor Bus Co., 1124 Rosemont Ave., rein.-con., brick and steel garage, 5201-29 Cottage Grove Ave., to Bulley & Andrews, 2040 West Harrison St. Archts. est. $75,000.

Wis., Fond du Lac—Combination Door Co., 180 Ruggles St., brick and timber warehouse, plain foundation, to Hutter Constr. Co., 102 South Main St. Archts. est. $45,000. Noted Apr. 5.

Wis., Kenosha—Simmons Mfg. Co., 160 Exchange St., will build 6 story, 100 x 282 ft., brick and steel factory, plain foundation by day labor; steel, to Kenwood Bridge Co., 38 South Dearborn St., Chicago. $350,000.

Wis., Kenosha—Tri-State Steamship Co., Washington St., 1 story, 70 x 110 ft., brick and steel warehouse, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $45,000.

Wis., Madison—Madison Gas & Electric Co., 120 East Main St., 2 story, 60 x 80 ft. power plant addition, brick, rein.-con. and steel, plain foundation, to J. H. Findorff & Son, 601 West Wilson St. Engrs. est. $40,000.

Wis., Madison—S. Sinaiko, 1968 Railroad St., will build 2 story, 60 x 70 ft. feed mill, brick and rein.-con., plain foundation, by day labor. $40,000. Private plans. Noted Apr. 5.

Wis., Milwaukee—Acme Chemical Co., 476 Edison Ave., 2 story, 40 x 100 ft., brick and timber warehouse, plain foundation, Clybourn St., to H. Wallschlaeger, Jr., 1411 Cedar St. Archts. est. $45,000.

Wis., Milwaukee—Salvation Army, 43 Juneau Ave., 2 story and basement, 40 x 85 ft., brick and concrete, to Bonnett Constr. Co., 808 South Pierce St.; plain and wood piling, to W. W. Whitney, 216 West Water St. Archts. est. $55,000. Noted Apr. 12.

Wis., Sheboygan — McNeil Chair Co., South 6th St., c/o J. McNeil, pres., 2 story, 54 x 61 ft., brick, rein.-con. and steel factory, plain foundation, to Verhulst Co., Inc., Sheboygan (street address not available).

Wis., Sheboygan — Eastern Wisconsin Electric Co., 8th St. and Pennsylvania Ave., 2 story, 75 x 200 ft. addition to power house, brick, rein.-con. and steel, plain foundation. D. L. Davis, Sheboygan (street address not available). Engrs. est. $200,000. Noted Feb. 22.

Wis., Sheboygan—C. Zelle & Sons Co., 1216 Michigan Ave., plans to rebuild 2 story, 50 x 80 ft., brick and rein.-con. shop, plain foundation, by day labor. $40,000. C. Zelle, mgr. Engineer and architect not selected.

Wis., Sheboygan—J. W. Jung Co., 720 North 8th St., 1 story, 50 x 100 ft., refrigeration and central heating plant, brick, rein.-con. and steel, plain foundation, to Verhulst Co., Inc., 2220 Calumet Dr. Archts. est. $50,000. Noted Jan. 11.

Wis., Wauwatosa—Forsyth Leather Co., State St., 1 story, 46 x 60 ft. power house, brick, concrete and steel, plain foundation, to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee. Engrs. est. $40,000. Noted Apr. 19.

Minn., St. Cloud—Great Northern R.R., St. Paul, 1 story roundhouse, 300 ft. diam., brick, stone and steel, here, to Peppard & Fulton, 217-18 Bd. of Trade Bldg., Superior, Wis., $400,000.

Mo., Monett—St. Louis & San Francisco R.R., Frisco Bldg., St. Louis, will rebuild round house, machine shops, etc., here, by day labor. $500,000. F. G. Jonah, Frisco Bldg., St. Louis, ch. engr. Noted Apr. 12.

Mo., St. Louis—St. Louis Dairy Co., 2030 Pine St., 3 story and basement, 50 x 110 ft. rein.-con. plant, concrete pile foundation, to Gamble Constr. Co., 620 Chestnut St. Archts. est. $200,000.

Mo., St. Louis—Lowell Bleachery, 7710 Polk Ave., 3 story, 90 x 105 ft. bleachery, brick, plain foundation, to Dickie Constr. Co., Syndicate Trust Bldg. Archts. est. $75,000.

Mo., St. Louis—Walsh Motor Corp., 4919 Delmar Blvd., 2 story, 100 x 170 ft., rein.-con. and brick garage and show room, plain foundation, 5127-5135 Delmar Blvd., to Cornet-Casey Constr. Co., Chemical Bldg. Archts. est. $85,000.

Mo., St. Louis—B. M. Rasmussen Real Estate Investment Co., Liberty Hotel, 1 story, 100 x 144 ft., rein.-con. and brick garage, plain foundation, 2003-09 Lucas Ave. and 703-11 North 20th St., to E. A. Heaney Constr. Co., 4241 John St. Archts. est. $41,000.

Mo., St. Louis—W. Waltke Co., 2nd St. and Grand Ave., 6 story, 100 x 120 ft. factory, rein.-con. and brick, concrete pile foundation, 2nd St., to Erdbruegger & Son, 2909 Natural Bridge Ave. Archts. est. $100,000.

Tex., Amarillo—Green Bros. Co., 4 story, 60 x 140 ft., loft, storage and shop building, etc., 6th and Taylor Sts., to A. Randall, Taylor St., $100,000.

Tex., Houston—D. Wells, Ovid St., 1 story, 100 x 150 ft., brick warehouse, plain foundation, to T. M. Murray, Mt. Vernon St., $40,000.

Calif., Oakland—Foster & Kleiser Co., 287 Valencia St., San Francisco, 1 story garage and warehouse, rein.-con., Market and 22nd Sts., here, to Dinwiddie Constr. Co., Crocker Bldg., San Francisco, $40,000. Noted Jan. 18.

Calif., San Francisco—Baker-Joslyn Co., 1st and Harrison Sts., 3 story and basement warehouse, rein.-con., 2nd and Bryant Sts., to C. W. Gompertz, 403 Mills Bldg., $70,000.

Calif., San Francisco—Rickey & Schimpferman (City Rough Dry Laundry Co.), 1672 15th St., 1 story and mezzanine, rein.-con. laundry, 14th St. near Mission St., to C. T. Merchant, 180 Jessie St., $38,550. Noted Mar. 1.

Ont., London—H. J. Jones & Sons, Dundas St. E., rebuilding plant, to Jones Bros., Hamilton Rd. Archts. est. $200,000. Noted Apr. 26.

Buildings

PROPOSED WORK

Mass., Chicopee — School — School Bd. plans 3 story, 16 room, Hampden St. $250,000. J. J. Desmond, Jr., secy.

Mass., Norwood—High School—School Dept., plans 2 story, brick and steel, Main St. $150,000. Engineer and architect not selected.

Mass., Springfield—High School—School Bd., City Hall, plans 2 story, brick, plain foundation, Central St. $500,000. M. W. Maloney, 145 Chestnut St., archt.

Conn., Bridgeport — Business — Schnee & Schnee, 1115 Main St., having plans prepared by E. B. Caldwell, Jr., 884 Main St., 4 story, brick, steel and concrete, Middle St. $175,000.

Conn., Hamden (New Haven, P. O.)—Masonic—Hamden Masonic Temple Com. having preliminary plans made by Richmond & Smith, 152 Temple St., New Haven, 3 story, brick, Whitney Ave. $150,000. E. P. Stover, 2830 Whitney Ave., chn.

Conn., Hartford—Apartment—P. Coffey, Fairfield Ave., having plans prepared by B. M. Sellew, 712 Main St., three 3 story, 30 x 60 ft., brick and timber, plain foundation, Fairfield Ave. $150,000.

Conn., Hartford — Apartment — H. S. Hooker, c/o Shape, Bready & Peterkin, archts., 50 East 42nd St., having plans prepared 4 story, 200 x 250 ft., brick, plain foundation, Asylum and Gillet Sts. $500,000.

Conn., Hartford—Apartment—J. J. Wall, 401 Farmington Ave., having plans prepared by G. Zunner, 182 High St., 2 and 3 story, 70 x 90 ft., Farmington Ave. $330,000.

Conn., Hartford — Armory — Putnam Phalanx, Pearl and Haynes Sts., plans 60 x 90 ft., probably 3 story, brick and steel, plain foundation, Chapel St. $150,000. C. D. Perkins, Hotel Heublein, chn. building com. Engineer and architect not selected.

Conn., Meriden—Business—M. J. Dubin, 125 Oakland Terrace, Hartford, plans 3 story, 80 x 100 ft., brick, plain foundation, East Main St., here. $150,000. Engineer and architect not selected.

Conn., Meriden—Business—I. H. May, 10 Colony St., B. Krentzman, 150 Pratt St., and F. Atwater, plan 3 story, 90 x 110 ft., rein.-con., plain foundation, East Main St. $160,000. Engineer and architect not selected.

Conn., Middletown—Nurses' Home—Connecticut State Hospital plans 3 story, brick, plain foundation, here. $220,000. R. L. Leak, supt. Engineer and architect not selected.

Conn., New Britain—School—School Com. plans addition to Nathan Hale School, 3 story, brick, plain foundation, Tremont St. $190,000. E. O. Kilbourne, 1600 Stanley St., chn. Engineer and architect not selected.

Conn., New Haven — Masonic — Masonic Temple Assn., 87 Church St., had plans prepared by Norton & Townsend, 839 Chapel St., and soon takes bids 6 story, 80 x 160 ft., brick, concrete and steel, West Chapel St. $500,000.

Conn., Norwalk—Business—S. J. Kantor, 65 Cross St., having plans prepared by A. S. Meloy, 1352 Fairfield Ave., Bridgeport, 4 story, 65 x 100 ft., brick, plain foundation, Main St. $150,000.

Conn., Norwalk—Hotel—S. A. Legato, 4 River St., having revised plans prepared by F. Urso, 453 West Main St., Stamford, 5 story, 60 x 110 ft., brick and steel, Wall St. $150,000. Noted July 20.

Conn., Putnam—Business—J. E. and E. Stoumbelis plan 3 story, 70 x 100 ft., brick, plain foundation, Main St., $150,000. Engineer and architect not selected.

Conn., Thompsonville — High School — School Bd. plans 3 story, brick, plain foundation. $350,000. A. B. Handy, supt. of schools. Engineer and architect not selected.

Conn., Waterbury—Business—T. J. McDonald, Willow St., having plans prepared by H. F. Wenzel, 6 Glen Ridge St., 4 story, 50 x 90 ft., brick, plain foundation, Willow and Plaza Sts. $160,000.

Conn., Waterbury — Church, etc. — Mill Plain Union Church having plans prepared by I. Miller, Southmayd Rd., 3 unit church, incl. main auditorium, departmental Sunday school and assembly hall. $165,000.

Conn., Watertown—High School—School Bd. having plans prepared by F. A. Webster, 51 West Main St., Waterbury, 3 story and basement, 100 x 250 ft., brick, plain foundation. $400,000.

N. Y., Albany—College—Albany College of Pharmacy plans brick, stone, concrete and steel, New Scotland Ave. $250,000. C. Gibson, 415 State St., pres. Bd. Dirs.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York, plans school East New York Ave. between East 96th and East 97th Sts., $500,000; P. S. 99, Ave. K near 9th St., $244,000, both brick, steel and stone, plain foundations, here. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., Canton — Bank — First National Bank plans brick, stone, steel, concrete and marble, south side Main St. $150,000-$175,000.

N. Y., Ilion—Schools—May 1 to vote on $395,000 bonds for brick, concrete and steel additions to high school and West Hill school. Address R. B. Redway, Union Free School Dist. 1, pres. Bd. Educ.

N. Y., Newfane—School—Bd. Educ. having plans prepared by W. S. Brickell, 132 Ellicott Sq., Buffalo, 2 story, brick addition. $150,000.

N. Y., New York—Apartment—G. and H. Boehm, archts. and engrs., 587 5th Ave., prepared plans 12 story, 50 x 100 ft., brick, steel and stone, plain foundation, Madison Ave. and 70th St. Owner's name withheld.

N. Y., New York—Apartment Hotel—E. Margolies, 19 East 33rd St., having preliminary plans prepared by E. De Rosa, 110 West 40th St., brick, steel and stone, plain foundation, 11 West 47th St. $200,000.

N. Y., New York—Clubhouse—Knights of Columbus, 244 West 51st St., plans 100 x 150 ft., brick, steel and stone, plain foundation, 51st St. and 8th Ave. Engineer and architect not selected.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., brick, steel and stone, plain foundation, 204 13th St. $700,000.

N. Y., Niagara Falls—Apartment—F. S. Tearney, 3rd St., plans brick, 3rd St. $150,000. White & La Chance, Niagara Falls, (street address not available), archts.

N. Y., Niagara Falls—City Hall—City rejected bids for 3 story and basement, brick, steel and stone, etc., Main St. Plans will be revised and work readvertised. E. J. Fort, city mgr. Noted Nov. 2.

N. Y., Nunda — School — School Dist. 1 plans brick, stone, concrete and steel. $150,000-$160,000.

N. Y., Rochester—Store—McCurdy & Co., Inc., Elm St., plans 6 story, 56 x 181 ft., brick and steel addition. $300,000.

N. Y., Schenectady—Club—Mohawk Golf Club., Schenectady-Troy Rd., plans rebuilding golf club destroyed by fire. $150,000. Engineer and architect not announced.

Buildings (Continued)

N. Y., Syracuse—Chapel—Bd. Trustees First Baptist Church, 215 East Jefferson St., had plans prepared 6 story, stone, concrete and steel addition. $150,000.

N. Y., Syracuse—School—St. John the Baptist Parish plans new school. $200,000. Engineer and architect not selected.

N. J., Jersey City—Apartment—Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York City, preparing plans 5 story, 100 x 110 ft., brick, steel and stone, plain foundation, Bergen and Grant Aves., here. $250,000. Owner's name withheld.

N. J., Jersey City—Church—St. Mary's Roman Catholic Church, c/o R. T. Reilly, archt., 477 5th Ave., New York City, having plans prepared brick and stone top addition, 3rd and Erie Sts., here. $200,000.

Pa., Erie—Exchange—Mutual Telephone Co., plans 75 x 165 ft. exchange, 10th St. $400,000. J. Z. Miller, mgr. Engineer or architect not announced.

Pa., Ebensburg—Hospital—Comrs. Cambria Co. and Johnstown Society for Prevention of Tuberculosis, opens bids about June 1, 1 and 2 story and basement, 90 x 315 ft. main building, 2 story, 94 x 160 ft. service building, 40 x 70 ft. laundry and boiler house, 1 mi. west of here. $300,000. W. R. Myton, 1204 1st Natl. Bank Bldg., Johnstown, archt. Noted Mar. 15.

Pa., Phila. — Apartment and Store — J. E. Fieldstein, archt., Otis Bldg., preparing plans 3 story and basement, 25 x 64 ft., brick, steel and stone, plain foundation, 40th and Lancaster Aves. $150,000. Owner's name withheld.

Pa., Phila.—Clubhouse—University Club, 1510 Walnut St., soon takes bids 23 story and basement, 40 x 100 ft. rein.-con., brick, steel and stone $1,000,000. Simon & Simon, 249 South Juniper St., archts.

Pa., Phila.—Store and Office—Stiegerwalt Boot Shop, 1420 Chestnut St., having plans prepared by W. Steele & Sons, 219 North Broad St., 5 story and basement, 40 x 150 ft. rein.-con., brick, steel and stone, caisson foundation, 1526 Chestnut St. $500,000.

Pa., Scranton—Hotel—F. P. Benjamin, Scranton Life Bldg., plans 3 or 4 story addition, Lackawanna Ave. $150,000. Engineer or architect not announced.

Pa., Shippensburg — High School — Bd. Educ. having plans prepared by J. C. Dempwolf, York, and takes bids about June 1, 3 story and basement, 100 x 110 ft., concrete, brick and steel, North Prince St. $150,000.

Pa., Ridgeway—High School—Bd. Educ. plans 3 story and basement, 100 x 150 ft. brick and steel, Center and Broad Sts. $150,000.

Pa., Uniontown—Nurses Home—Annette Home and School for Nurses having plans prepared by E. R. Johnson, Fayette Bldg., 3 story and basement, 68 x 140 ft. $150,000.

Pa., Woolrich—Hotel—Rich Bros., Woolrich, take bids this summer 3 story and basement, 100 x 110 ft. brick and steel, here. $150,000.

Del., Newark — Library — University of Delaware soon takes bids 2 story and basement, cut stone, brick and steel. $300,000. Day & Klauder, Franklin Trust Bldg., Phila., archts Noted Sept. 28.

D. C., Washington — Home — Home For Incurables, 3200 S St., N.W., having plans prepared by L. Luquer, 819 15th St., N.W., home at 3720 Upton St., N.W. $275,000.

West Virginia—School—Bd. Educ., c/o W. D. Johnson, Wierton, plans 3 story, 110 x 160 ft., in Hancock Co., 5 mi. from Steubenville, O. $185,000. Peterson & Clarke, Steubenville, O., archts.

W. Va., Huntington — Hotel — W. M. Meridith, Robson-Prichard Bldg., having plans prepared by L. J. Dean, 5th Ave., 10 story and basement, 30 x 160 ft., brick, steel and tile, 4th Ave. and 7th St. $200,000.

N. C., Fayetteville—Hotel—Chamber of Commerce promoting hotel company which is having plans prepared by W. G. Rogers, Trust Bldg., Charlotte, for 8 story, brick, limestone and terra cotta. $250,000.

N. C., Greensboro—College—Agricultural and Technical College plans dormitory, combination dining hall, kitchen and laundry. $170,000. J. B. Dudley, pres. H. Barton, Greensboro, engr.

N. C., Greensboro—Schools—Guilford Co. plans school at Guilford College, one at Colfax, one in Summerville Twp. and one for negroes at Jonesboro. $400,000. T. R. Foust, co. supt. instruction. Engineer and architect not announced.

N. C., Lumberton—High School—Will sell $160,000 bonds May 22, for high school. Engineer and architect not selected.

N. C., Newton—Court House—Catawba Co. plans court house. $200,000. J. D. Elliott, Hickory, chn. co. comrs. Engineer and architect not selected.

Fla., Winter Haven — Hotel — D. W. Swarts and associates, Lakeland, having estimates prepared 5 story, 90 x 105 ft., rein.-con. $150,000.

Tenn., Memphis—Office—Memphis Cotton Exch., 66 South Front St., having plans prepared by Gardner & Howe, engrs., Porter Bldg., and Mahan & Broadwell, archts., Amer. Bank Bldg., 12 story, 70 x 100 ft., probably steel frame, terra cotta finish, Front and Union Sts. $500,000.

Tenn., Nashville—Office—H. G. Hill, Cummings Sta., plans office, 8th and Church Sts. Cost to exceed $150,000.

Ky., Barboursville—Court House—Knox Co. plans court house. $150,000.

O., Akron — Dance Hall — East Market Gardens plan 100 x 300 ft. dance hall, East Market and South College Sts. $150,000. I. J. Goldston, 207 Beck Ave., archt.

O., Cincinnati—High School—Bd. Educ. plans Western Hills High School, Price Hill. To exceed $150,000. Garber & Woodward, 2803 Union Central Bldg., archts.

O., Cleveland — Apartment — M. Morris, 1829 Grasmere Ave., had plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story, 38 x 141 ft., brick and timber, plain foundation, East 79th St. near Euclid Ave. $150,000.

O., Cleveland—Church and Office—Euclid Ave. Baptist Church, c/o W. W. Bustard, pastor, 13679 Fairmount Blvd., having plans prepared by Walker & Weeks, 1900 Euclid Ave., 9 story, brick, steel and concrete, on 130 x 360 ft. lot, East 18th St. and Euclid Ave. $1,000,000.

O., Cleveland—College—St. Ignatius College, c/o T. J. Smith, pres., West 30th St. and Carroll Ave., plans group brick, steel and concrete buildings, plain foundations, Fairmount Blvd. $2,000,000. Engineer and architect not selected.

O., Cleveland — Commercial — H. T. Jeffrey, archt., 621 Hanna Bldg., preparing plans 4 story and basement, 132 x 132 ft., brick, steel and concrete, Chester Ave. $300,000. Owners name withheld.

O., Cleveland — Commercial and Apartment—W. C. Campbell, Swetland Bldg., plans 4 story, 95 x 160 ft., brick and metal lumber, plain foundation, East 106th St. and Carnegie Ave. $200,000. Engineer and architect not selected.

O., Cleveland—Commercial and Recreation—Cleveland Recreation Co., c/o H. T. Jeffrey, archt., Hanna Annex., having plans prepared 10 story, brick, steel and concrete, Prospect Ave. and East 14th St. $600,000.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, East 6th St. and Rockwell Ave., 6 story, brick, steel and concrete, University Circle. $3,000,000.

O., Cleveland—Home—Eliza Jennings Home, c/o C. Orr, pres., 10603 Detroit Ave., raising $300,000 for 3 story, brick, steel and concrete. Engineer and architect not selected.

O., Cleveland — Mercantile — J. L. Free Land Co., 1004 Prospect Ave., had plans prepared by Watson Eng. Co., 4614 Prospect Ave., 8 story, 73 x 93 ft., brick, steel and concrete top addition, 1227 Prospect Ave. $300,000.

O., Cleveland — Mercantile — M. Marmorstein, Ulmer Bldg., plans 6 story, 99 x 200 ft., brick, steel and concrete, 2330 Euclid Ave. $300,000. Engineer and architect not selected.

O., Cleveland—Nurses Home, etc.—Fairview Park Hospital, 3305 Franklin Ave., having plans prepared by F. W. Striebinger, 1900 Euclid Ave., 2 story nurses home, also boiler house and laundry, brick, steel and concrete. $150,000.

O., Cleveland — Office — Bd. Educ., East 6th St. and Rockwell Ave., plans 4 or 6 story, brick, steel and concrete, East 6th St. and St. Clair Ave. $500,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland Heights (Warrensville, P. O.) — Library — Cleveland Heights Library Bd., c/o C. A. Adams, pres., plans 2 story, brick, steel and concrete, Superior Rd. $200,000. Engineer and architect not selected.

O., Columbus—Agricultural, etc.—State Legislature appropriated $400,000 rebuilding agricultural and horticultural buildings, etc., destroyed by fire, also for an additional cattle barn and modernizing sewerage, water and electric lighting systems. A. Truax, dir.

O., Portsmouth—Hotel—Hurth Hotel Co. having plans prepared by C. C. Taylor, Portsmouth, 6 story and basement, 90 x 150 ft., brick, concrete and terra cotta, 3rd and Chillicothe Sts. $350,000.

O., St. Clairsville — High School — Bd. Educ. having plans prepared by F. E. Rush, 16 South 3rd St., Columbus, 2 story and basement. $150,000.

O., Springfield—Temple—Masonic Temple Assn. having plans prepared by H. D. Smith, 50 East Town St., Columbus, and Miller & Reeves, 20 South 3rd St., Columbus, 5 story and basement, 120 x 150 ft., brick, stone and concrete. $600,000.

Ind., South Bend — High School — Bd. Educ. plans junior high school, Ewing Ave. and Fellows St. $350,000. Engineer and architect not announced.

Ind., South Bend—School—Bd. Educ. having plans prepared by Freyermuth & Maurer, 654 Farmers Trust Bldg., and takes bids about July 1, brick, plain foundation, East Calvert St. $200,000.

Mich., Detroit—Apartment—W. H. Odell, archt., 4040 West Phila. Ave., preparing plans 3 story and basement, 45 x 145 ft. brick and steel, plain foundation, West Grand Blvd. $150,000. Owner's name withheld.

Mich., Detroit—Apartment-Hotel—A. V. Lee, c/o L. Kamper, archt., Kamper Bldg., having plans prepared 9 story and basement, 60 x 125 ft., rein.-con., brick and steel, plain foundation, Sproat St. and Park Blvd. $350,000.

Mich., Detroit—Hotel—E. Bollin and R. W. McKinney, c/o Kohner & Seeler, archts., 405 Kresge Bldg., having plans completed for 10 story and basement, 100 x 150 ft. rein.-con., brick and steel, plain foundation, John R St. $350,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., having preliminary plans prepaerd by Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., 2 story and basement, rein.-con., brick and steel, plain foundation, Perry and Barrett Sts. $150,000.

Mich., Detroit—School—LaSalle Commercial College, 1308 Bway. Ave., plans 2 story and basement, rein.-con., brick and steel, plain foundation, Gratiot and Connors Aves. $250,000. Engineer and architect not selected.

Mich., Detroit—Theatre—Imperial Theatre Co., c/o C. W. Brandt, archt., 1114 Kresge Bldg., having plans prepared 2 story and basement, 140 x 160 ft. brick and steel, plain foundation, May and Gratiot Aves. $150,000.

Mich., East Lansing—College—Michigan Agricultural College had plans prepared by Pond & Pond, 64 East Van Buren Ave., Chicago, 3 story and basement, 175 x 200 ft. brick and steel, on campus. $500,000.

Mich., Highland Park (Detroit P. O.)—Nurses Home—Highland Park General Hospital having plans prepared by G. W. Graves, 233 John R St., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

Ill., Chicago — Exchange — Illinois Bell Telephone Co., Franklin and Washington Sts., plans 4 or 5 story, 109 x 208 ft., rein.-con., brick and steel, Erie and North Dearborn Sts. Holabird & Roche, 104 South Michigan Ave., archts.

Ill., Chicago—High School—Franciscan Sisters, c/o St. Josephs Convent, 575 Layton Blvd., Milwaukee, Wis., rejected bids 4 story and basement, 220 x 236 ft., rein.-con. and brick, Byron and Lawndale Aves., here. $700,000. Will readvertise. Brust & Philipp, 405 Bway., Milwaukee, archts. Noted Mar. 29.

Ill., Chicago—Recreation—C. C. Marzano, c/o A. V. Capraro, archt., 64 West Randolph St., having plans prepared 2 story, 100 x 125 ft. addition, rein.-con. brick and steel, West 63rd St. near Homan St. $150,000.

Ill., Upper Alton (Alton, P. O.)—Administration—Shurtleff College had plans prepared by W. T. Trueblood and H. Graf, Chemical Bldg., St. Louis, Mo., and soon takes bids 3 story and basement, 45 x 120 ft., rein.-con., brick and tile, on Campus, here. $150,000.

Wis., Madison — Auditorium, etc. — Bd. Educ. having plans prepared by F. Riley, Conklin Bldg., 2 story, 75 x 150 ft. auditorium, gymnasium and heating plant at East Side High School, rein.-con., steel and brick, plain foundation. $200,000.

Wis., Manitowoc—Hotel—Hotel Williams, South 8th St., rejected bids 5 story, brick and concrete addition, plain foundation. Will readvertise later. Noted Apr. 5.

Wis., Milwaukee—Office—B. E. Nickoll, 109 Wisconsin St., having preliminary plans prepared by Herbst & Ruenzli, 114 Grand Ave., 8 or 10 story, 43 x 100 ft., brick and concrete, plain foundation, Grand Ave. $300,000.

Buildings (Continued)

Wis., Milwaukee—Store—Hartman Furniture & Carpet Co., 286 West Water St., having plans prepared by G. H. Leipold, archt., 160 Martin St., 10 story and basement, 60 x 130 ft., brick and concrete, plain foundation. $500,000.

Wis., Whitewater—School— Bd. Normal Regents, Madison, having plans prepared by A. Peabody, Capitol Bldg., Madison, 4 story, 75 x 200 ft., brick, rein.-con. and steel, here. $250,000. W. S. Kettle, secy.

Ia., Sioux City—Hospital—St. Joseph's Hospital plans rein.-con. and brick addition, 21st and Court Sts. $225,000. Engineer or architect not selected.

Ia., Waterloo—Business—J. E. Johnson, Waterloo Savings Bank, soon takes bids 5 story and basement, 84 x 140 ft., rein.-con., brick and stone, 4th and Commercial Sts. $350,000. J. G. Ralston, 709 L and J Bldg., archt.

Minn., Minneapolis—Church—Hope Lutheran Church, c/o C. S. Thorpe, 1217 South East 6th St., plans rein.-con., brick and tile, 13th Ave. and 6th St. S. E. $150,000. Engineer and architect not announced.

Minn., Minneapolis—Hospital—State Bd. Control, St. Paul, plans 3 or 4 story and basement, rein.-con., brick and tile, here. $200,000. C. L. Pillsbury Co., 1200 2nd Ave. S., engr. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, and J. H. Forsythe, University of Minnesota, Minneapolis, archts.

Minn., Minneapolis—Lodge, etc.—Minnehaha Lodge, A. F. & A. M., No. 165, 1533 East Lake St., having plans prepared by A. M. Lindell, 319 Meyers Arcade, 3 story and basement, 100 x 105 ft., brick and tile, Lake St. and Bloomington Ave. $150,000.

Minn., St. Paul—Office—M. Fink & Son, 417 Merchants National Bank Bldg., having plans prepared by W. E. Melinder and M. D. Boyer, 1012 Guardian Life Bldg., 7 story and basement, 75 x 100 ft. rein.-con., brick, tile, stone and terra cotta. $300,000.

Kan., Emporia—High School—Bd. Educ. having plans prepared by J. H. Felt & Co., 500 Grand Ave. Temple, Kansas City, Mo., for junior high school. $40,000 bonds voted. Noted Mar. 22.

Kan., Ottawa — High School — Election soon to vote on $260,000 bond issue, 3 story, 156 x 162 ft., rein.-con., brick and stone. Washburn & Shookey, 222 Main St., archts.

Kan., Sabetha—Hospital—C. A. Smith, archt., 109½ Sante Fe St., Salina, soon takes bids 3 story and basement, 44 x 150 ft., rein.-con. and brick, for St. Anthony Hospital. $150,000. Noted Apr. 12.

Mont., Helena—Office—Montana Life Insurance Co., Conrad Bank Bldg., having plans prepared 2 story and basement, 60 x 100 ft., brick, tile and terra cotta. $150,000. H. R. Cunningham, vice-pres. Architect and engineer not announced.

Mo., Chillicothe—High School—Bd. Educ. having preliminary plans prepared by R. W. Roberts, Chillicothe, brick, steel and stone. $300,000. Noted Mar. 29.

Mo., Kansas City — Hospital — J. Fairweather, 1005 Scarritt Bldg., is representing owner who plans 3 story and basement, 100 x 125 ft., rein.-con., brick and steel. $100,000. Engineer and architect not selected.

Mo., St. Louis—Apartment—Syndicate headed by S. L. St. Jean, c/o Chouteau Trust Co., 4030 Choteau Ave., plans 6 story, 150 x 166 ft., rein.-con. and brick, plain foundation, Pershing Ave. $400,000.

Mo., St. Louis—Hospital—St. Louis Maternity Hospital, 4518 Washington Ave., plans raising $500,000 for 8 story, rein.-con. and brick, plain foundation, Kingshighway. Engineer and architect not announced.

Mo., St. Louis—Office—G. Cytron, Title Guaranty Bldg., having plans prepared by P. J. Bradshaw, International Life Bldg., 5 story and basement, 66 x 127 ft., rein.-con. and brick, plain foundation, 9th St. $300,000.

Mo., St. Louis—School—Washington University, Skinker and Lindell Aves., had plans prepared by W. T. Trueblood and H. Graf, Chemical Bldg., 9 story, 65 x 112 ft., rein.-con. and brick, plain foundation, Kingshighway. $200,000. Brussel & Viterbo, Arcade Bldg., engrs.

Mo., Springfield—Hospital—Homes Methodist Episcopal Church had plans prepared by E. Dearing, Boston, Mass. (street address not available), 3 story and basement, 42 x 120 ft., rein.-con., brick and stone addition, 1322 Jefferson St. $150,000.

Mo., Trenton—High School—Bd. Educ. having plans prepared by R. H. Sanneman, 519 Lee Bldg., Kansas City, 3 story and basement, 100 x 150 ft., stone. $200,000. Noted Apr. 19.

Tex., Corsicana — Schools — School Bd. having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., high school and 2 grade schools, 2 and 3 story. $600,000.

Tex., Dallas—Office—C. B. Cohen, 2531 Forest Ave., takes bids in summer 4 story and basement, 25 x 100 ft., rein.-con., plain foundation, 1815 Main St. $200,000. Engineer and architect not announced.

Tex., Dallas — School — Southern Methodist University takes bids in summer 2 story and basement, brick, plain foundation, on Campus. $150,000. De Witt & Lemmon, Southwestern Life Bldg., archts.

Tex., Waco—City Hall—May 29, to vote on $325,000 bonds for erecting and equipping city hall. Address B. C. Richards, mayor.

Okla., Muskogee—Court House and Jail—Muskogee Co. election May 8, to vote on $350,000 bonds for courthouse and jail, rein.-con., brick and stone.

Okla., Sapulpa—Church—First Methodist Episcopal Church plans church. $150,000. R. P. Crawford, pastor. Engineer and architect not selected.

Colo., Denver — Grade School — School Dist. Bd. approved plans for Colombian School, 3 story, 50 ft. high, 80 x 170 ft., brick and stone, Federal Blvd. between West 41st and West 42nd Aves. $157,000. Private plans.

Colo., Denver—School—School Dist. having plans prepared by H. J. Manning, Majestic Bldg., 2 story, 62 x 234 ft., brick, concrete and terra cotta, 3rd and Fox Sts. $227,000.

Idaho, Boise—Depot—Oregon Short Line R.R., Dodge Bldg., Omaha, Neb., plans station, here. $150,000. R. L. Huntley, ch. engr.

Wash., Seattle—Store—S. H. Kress & Co., 114 5th Ave., New York City, having plans completed 5 story and basement, 111 x 116 ft., 3rd and Pike St. $200,000. Private plans.

Calif., Alameda—Apartment—L. Kaliski, c/o A. A. Cantin, archt., 68 Post St., San Francisco, having revised plans prepared 3 story, rein.-con., Central and Grand Aves. Former bids rejected. Noted Apr. 12.

Calif., Alameda—Hospital—Alameda Sanitarium, 2054 Clinton Ave., plans hospital, rein.-con., Willot St. and Clinton Ave. $250,000. Engineer and architect not selected.

Calif., Alhambra — Theatre — F. Andres, 1512 West Main St., plans fireproof theatre, Main St. $150,000.

Calif., Belmont—College—College of the Notre Dame, San Jose, plans group of college buildings, fireproof, here. To exceed $150,000. Engineer and architect not selected.

Calif., Berkeley—Church—Trinity Episcopal Church, c/o G. Rushford, archt., 354 Pine St., San Francisco, having plans prepared church and educational institution for students of University of California, Dana St. and Bancroft Way. $350,000. Noted Sept. 21.

Calif., Lemoore—High School—Lemoore Union High School Dist. voted $325,000 bonds for high school. Engineer and architect not selected. Noted Mar. 29.

Calif., Long Beach—Apartment—Concord Masions Bldg Co. having plans prepared by E. Bergstrom, City Natl. Bank Bldg., Los Angeles, 10 story, 50 x 150 ft., Atlantic St. $600,000.

Calif., Long Beach—Hotel and Apartment—C. H. Leitch, c/o W. H. Austin, et al., archts., 1st National Bank Bldg., had preliminary plans prepared 10 story and basement, rein.-con., 5th and Locust Sts. To exceed $350,000.

Calif., Los Angeles — Apartment — F. Harper, 672 Benton Way, plans apartment building, probably 12 story, fireproof, on 123 x 150 ft. site, Benton Way near 7th St. To exceed $650,000.

Calif., Los Angeles—Apartment—E. A. Wayt, representing syndicate which is having plans prepared by Russell & Alspaugh, Story Bldg., 13 story, 100 x 150 ft., rein.-con., 6th and Carondelet St. $800,000.

Calif., Los Angeles—Bank and Office—First National Bank of Los Angeles, 707 South Spring St., having plans prepared by Curlett & Beelman, Union Bank Bldg., 12 story and basement, fireproof, 6th and Spring Sts. To exceed $300,000.

Calif., Los Angeles — Club — Womens Athletic Club, c/o Allison & Allison, archts., Hibernian Bldg., having plans prepared 7 story and basement, rein.-con., Flower St. To exceed $350,000.

Calif., Los Angeles—Hotel—P. Weger, c/o C. Boller, archt., 531 Douglas Bldg., having plans prepared 4 story, brick, Westlake St. $150,000.

Calif., Los Angeles—Mercantile—Desmonds Store, having plans prepared by A. C. Martin, 430 Higgins Bldge., 5 story, 62 x 154 ft., brick, steel and terra cotta, Bway. $400,000.

Calif., Los Angeles—Office—Los Angeles Gas & Electric Corp., 645 South Hill St., having plans prepared by Parkinson & Parkinson, Title Insurance Bldg., 12 story and basement, probably steel and concrete, Flower St. To exceed $500,000.

Calif., Los Angeles—Store—First National Bank of Los Angeles having plans prepared by A. C. Martin, Higgins Bldg., 5 story and basement, brick and steel, 6th and Spring Sts. To exceed $250,000.

Calif., Los Angeles—Store—May Corp., 801 South Bway., having plans prepared by A. C. Martin, Higgins Bldg., remodel present structure and construct 3 story, 170 x 300 ft., brick and steel addition. To exceed $500,000.

Calif., Los Angeles—Store and Lodge—Odd Fellows Hall Assn., c/o Morgan & Wells, archts., Van Nuys Bldg., having plans prepared 3 story and basement, rein.-con., Flower St. near 11th St. To exceed $175,000.

Calif., Los Angeles—Store and Market—Young Market Co., c/o C. F. Plummer, archt., Story Bldg., having plans prepared 3 story and basement, 130 x 150 ft., brick and steel, Union and 7th Sts. To exceed $150,000.

Calif., Los Angeles—Store and Office—A. C. Blumenthal, Loew State Bldg., having plans prepared by S. T. Norton, Pacific Finence Bldg., 12 story, 120 x 293 ft., Bway. $4,000,000.

Calif., Los Angeles—Theatre and Office—D. Hart, c/o O. H. Neher, archt., Marsh Strong Bldg., having plans prepared 12 story, probably rein.-con., Olive St. near 7th St. To exceed $500,000.

Calif., Monrovia — High School — Plans election to vote on $400,000 bonds to purchase site and construct high school.

Calif., Oakland—Lodge, Store and Office—Elks Hall Assn., c/o W. Knowles, archt., Bacon Bldg., Oakland, and Hearst Bldg., San Francisco, takes bids about July 10, 8 or 9 story and basement, rein.-con., 14th St. near Bway. $750,000. Noted Mar. 1.

Calif., Oakland—Office—Schirmer-Bugbee, archts., Thayer Bldg., preparing preliminary plans 4 story, rein.-con., Bway. $200,000. Owner's name withheld.

Calif., Oakland—Office and Store—Alameda County Title Insurance Co., c/o C. W. McCall and C. T. Davis, archts., Central Bank Bldg., having plans prepared 6 story, basement and mezzanine, brick, rein.-con., steel and terra cotta, 14th and Franklin Sts. $375,000.

Calif., Oakland—Store and Office—E. C. Lyons, c/o E. T. Foulkes, archt., Crocker Bldg., San Francisco, having plans prepared 2 or more stories, brick or concrete, 19th St. and Bway. $150,000.

Calif., Pasadena — Club and Office — American Legion, Pasadena Post, having plans prepared by Marston, Van Pelt and Mayburg, 25 Euclid Ave., club, Morengo Ave. $150,000. Noted Mar. 15.

Calif., Sacramento — Bank and Office — Farmers and Merchants Savings Bank, 8th, J and K Sts., plans 40 x 160 ft. addition, fireproof. $150,000 or more. R. M. Richardson, pres. Engineer and architect not selected.

Calif., San Diego—Office and Theatre—R. E. Hicks, 4250 Arguello St., had plans prepared by W. H. Wheeler, 302 Spreckels Bldg., 5 story, 100 x 150 ft., rein.-con. and steel, 4th and E sts. $350,000. Noted Dec. 14.

Calif., San Diego — Theatre, Store and Office—Balboa Building Corp., c/o W. H. Wheeler, archt., Spreckels Bldg., had plans prepared 5 story and basement, E and 14th Sts. To exceed $150,000.

Calif., San Francisco—Apartment—A. H. Knoll, archt., Hearst Bldg., prepared plans 6 story and basement, rein.-con., Taylor St. near Ellis St. $150,000 or more. Owner's name withheld.

Calif., San Francisco—Apartment—R. J. O'Brien and E. Rhine, 1756 Mission St., plans 5 or 6 story, concrete and steel, Eddy St. near Jones St. $150,000 or more. Engineer and architect not selected.

Calif., San Francisco—Home—St. Marys Hospital, Hayes and Stanyan Sts., having plans prepared by Shea & Shea, Chronicle Bldg., 4 or 5 story, rein.-con., Hayes and Stanyan Sts. $170,000.

Calif., San Francisco—Store and Arcade—Chamberlain & Proctor, c/o Bakewell & Brown, archts., 251 Kearny St., having plans prepared 7 story, probably rein.-con., Powell and Sutter Sts. To exceed $150,000.

Calif., San Francisco — Theatre — A. Pantages, Pantages Theatre Bldg., plans theatre. To exceed $500,000.

Calif., San Jose—Hotel—E. Tropp and W. C. Crittenden, 129 Sutter St., San Francisco, plant 16 story, fireproof. Engineer and architect not selected.

Calif., Stockton—Home—San Joaquin Co., had plans prepared by R. P. Morrell, 41 South Sutter St., 2 story, brick or concrete, county hospital grounds. $150,000.

Calif., Taft — High School — Taft Union High School Dist. having revised plans prepared by W. H. Weeks, 369 Pine St., San

Buildings (Continued)

Francisco, auditorium, gymnasium, science building, shop, etc., rein.-con. $350,000. Former bids rejected. Noted Apr. 19.

Que., Montreal — Church — Westmount Baptist Church, Western Ave., plans 63 x 105 ft. brick and stone, Sherbrooke and Roslyn Aves. $150,000. S. Comber, 127 Stanley St., archt. Noted Oct. 12.

Que., Montreal—Memorial Hall—Imperial Order Daughters of Empire, 615 St. Catherine St. W., plans memorial hall 4,000 seating capacity. $500,000.

Que., Montreal—Schools—Catholic School Comrs. of Northern Dist. adopted $1,150,000 budget to build 10 new schools during 1923-1924. Project will be submitted to Central Bd. of Comrs. for approval. I. P. Labarre, 1946 St. Denis St., secy.

Ont., Toronto—Office—London Life Insurance Co., 72 Queen St. W., plans 7 story, concrete or steel, on Bloor St. W. $250,000. Architect not selected.

BIDS DESIRED

Conn., Hartford — School — May 8, by Whiton & McMahon, archts., 36 Pearl St., 3 story and basement, 130 x 170 ft., brick, plain foundation. Charter Oak Ave., for South School Dist. $400,000.

Conn., New Britain—Business—May 8, by M. J. Unkelback, archt., Main St., 3 story, 50 x 100 ft., brick, plain foundation, 514 Main St., for R. Podesta, 510 Main St. $150,000.

Conn., Waterbury—Business—May 12, by J. W. Hutchinson, 218 Woodlawn Terrace, 4 story, 50 x 90 ft., brick, plain foundation, Witlow and Plaza Sts., for T. J. McDonald. $160,000. H. F. Wenzel, 6 Glen Ridge St., archt.

N. Y., Brooklyn—School—May 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 142, 5 story, 60 x 100 ft., brick, steel and stone, plain foundation, Henry St. $750,000. Noted Oct. 12.

N. Y., St. Albans (Jamaica, P. O.)—School—May 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 36, Bell St. from Everitt to Lovingham Aves., here. $850,000.

Pa., Brookline—Clubhouse—Lachman & Murphy, archts., Drexel Bldg., Phila., taking bids 2 story and basement, 160 x 175 ft. and 1 story, 60 x 100 ft., 32 ft. high, rein.-con., brick, steel, stone and stucco, plain foundation, for Brookline Sq. Club, Brookline. $500,000.

Pa., Ferndale—High School—May 19 by G. M. Weller, pres. Bd. Educ., 557 Ferndale Ave., 2 story and basement, 100 x 110 ft. $150,000. J. E. Adams, Nemo Bldg., Johnstown, archt.

Pa., Pittsburgh—Shrine—May 7, by Syria Temple Imp. Assn., Syria Mosque, Bigelow Blvd., 2 side additions. $300,000. R. G. Schmid & Co., West Randolph St., Chicago, archts.

Md., Baltimore—School of Hygiene—May 5, by Archer & Allen, archts., 1 East Lexington St., 9 story, 60 x 170 ft., brick and steel, Wolfe and Monument Sts., for Johns Hopkins Hospital. $750,000. Noted Mar. 16, 1922.

Md., Frederick—Administration—May 7, by Independent Order of Odd Fellows, Cathedral and Saratoga Sts., 2 and 3 story, 60 x 112 ft. administration building, 36 x 206 ft. home for aged, and 36 x 216 ft. cottage, brick, plain foundation. $400,000. J. E. Sperry, Clavert Bldg., Baltimore, archt. H. F. Doelman, 507 North Charles St., Baltimore, engr. Noted Jan. 11.

Fla., Clearwater—High School—May 10, by J. S. McMullen, Chn. Pinellas Co. School Bd., Clearwater, and F. Jonsberg, archt., St. Petersburg, high school. $150,000. Noted Mar. 22.

O., Byesville—High School—May 28, by W. Slay, clk. Bd. Educ., 2 story and basement, 106 x 125 ft., brick, concrete and tile. $150,000. F. S. Rusk, 16 South 3rd St., Columbus, archt. Noted Apr. 19.

O., Cleveland — Library — May 28, by Cleveland Pub. Library Bd., Kinney Levan Bldg., 4 story, 199 x 216 ft., brick, steel, concrete and stone, East 3rd St. and Superior Ave. $4,000,000. Walker & Weeks, 1900 Euclid Ave., archts. Noted Nov. 23.

O., Columbus—Office—May 17, by F. L. Packard, archt., 16 East Broad St., 8 story and basement, 80 x 96 ft., brick, concrete and terra cotta, 4th and Broad Sts., for M. L. Yuster, Parkview Ave. and Broad St. $400,000. Noted Mar. 15.

O., Newcomerstown—High School — May 9, by Bd. Educ., 2 story and basement, 120 x 137 ft., brick and concrete. $170,000. J. Q. Adams, Southern Hotel, Columbus, archt. Noted July 6.

Mich., Detroit—Apartment—F. Swirsky & Co., 428 Murphy Bldg., taking bids and opens same about May 10, 3 story and basement, 40 ft. high, 50 x 180 ft., brick and steel plain foundation, Prentis Ave., for S. Feldman, 1206 Penobscot Bldg. $150,000.

Mich., Holland—Hotel—G. S. Kingsley, archt., 109 North Dearborn St., Chicago, taking bids 6 story and basement, 105 x 106 ft., rein.-con. and brick, plain foundation, here, for Boone Bros. $250,000.

Ill., Chicago—Apartment—K. Hynes, 7930 Bishop St., receiving bids 3 story, 100 x 125 ft., rein.-con., brick and steel, 6600-08 Stewart Ave. $150,000. A. G. Lind, 453 West 63rd St., archt.

Tex., Electra—High School—May 8, by E. M. Friend, pres. School Bd., 3 story, rein.-con., brick and stone. $160,000. C. H. Page & Bros., Austin Natl. Bank Bldg., Austin, archts.

Calif., Alhambra—School—Bd. Educ. receiving bids administration and auditorium, brick. To exceed $200,000. Hunt & Burns, Laughlin Bldg., Los Angeles, archts. Noted Mar. 15.

Calif., Pasadena—School—May 10, by Bd. Educ., group of school buildings, brick, $150,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted Mar. 22.

Calif., Stockton—City Hall—May 29, by City Council, city hall, fireproof, on block bounded by El Dorado, Center, Fremont and Lindsey Sts. $600,300. J. Pearce, et al., Delta Bldg., archts.

Ont., Oshawa—School—May 9, by W. B. Nott, chn. Bd. Educ., Dominion Bank Chambers, 2 story and basement, 10 room, brick, Center St. $175,000. Hutton & Souter, Bank of Hamilton Bldg., Hamilton, archts.

Ont., St. Thomas—Memorial Hospital—May 12, by Darrach & Findlay, archts., 430 Talbot St., 3 story and basement, concrete, brick and steel, for City. $150,000. Noted Apr. 12.

Ont., Toronto—Hospital—May 15, by C. A. Maguire, chn. Bd. Control, City Hall, 3 story and basement, concrete, brick and steel, Surrey Pl. $400,000. G. W. F. Price, city archt. Noted Apr. 12.

BIDS RECEIVED

D. C., Wash.—Office—Washington Times-Herald, Munsey Bldg., newspaper and office building from P. E. Gormley Co., Union Trust Bldg., $310,548. Noted Mar. 29.

O., Akron—School—I. Moses, clk. Bd. Educ., for Crosby School, 2 story and basement, 68 x 215 ft., brick steel and concrete, from Carmichael Constr. Co., Central Saving & Trust Co., Cleveland, $181,000. Noted Apr. 5.

Ia., Sioux City—Fire and Police Station—Superstructure of 3 story and basement, 133 x 140 ft., rein.-con., brick, tile and stone, 6th and Water Sts., general contract from B. E. Short, 418 Court St., $244,999. Noted Apr. 5.

Tex., Austin — Hotel — Baker Hotel Co., general contract 12 story, 60 x 110 ft., rein.-con., brick and stone, from J. P. Haynes, Moore Bldg., San Antonio, $469,000; elevators from Otis Elevator Co., 7th St., Ft. Worth, $41,000; mechanical equipment from J. L. Martin, 412 Congress Ave., Austin, $180,000. Noted Apr. 5.

Calif., Modesto—Schools—Modesto Grammar School Dist., 2 brick school and remodeling present structure, from Herndon & Finnegan, 1814 17th St., Sacramento, $140,000. Noted Apr. 19.

Calif., Piedmont—High School—Piedmont School Dist., 2 and 3 story, rein.-con., from Hannah Bros., 142 Sansome St., San Francisco, (1) $174,900 (2) $166,400. Noted Apr. 19.

CONTRACTS AWARDED

Mass., Longmeadow — Clubhouse, etc. — Longmeadow Golf Club, c/o M. B. Reach, 229 Atwater Rd., Springfield, 2 story, brick and timber, plain foundation, to Patterson-King Corp., 452 Lexington Ave., New York City, $200,000. Noted Mar. 15.

Mass., Springfield—Apartment—Lincoln Realty Trust, 387 Main St., will build 4 story, brick, plain foundation, Bodowin St., by day labor. $400,000. H. C. Hearne, 387 Main St., archt.

Mass., Springfield—Office—Brown & Von Beren, archts., 185 Church St., New Haven, 6 story, 70 x 111 ft., brick and steel, plain foundation, Vernon St., to E. J. Pinney, 374 Main St., $260,000, for L. W. Besse, 21 Besse Pl. Archts. est. $250,000. Noted Mar. 8.

Mass., Worcester — Business — Hadley Furniture Co., 615 Main St., 5 story, 135 x 150 ft., brick and steel, plain foundation, Main and Madison Sts., to Keefe Bros., Worcester. Archts. est. $225,000. Noted June 1.

Mass., Taunton—School—Public Property Comn., 2 story and basement, 85 x 160 ft., brick and rein.-con., plain foundation, Middleboro Ave., to Greaney & Sherry, 57 North Main St., Fall River. Archts. est. $200,000. Noted Mar. 15.

R. I., Providence—Church—Church of the Mediator, Edgewood Ave., 2 story, 48 x 100 ft., brick and stone, plain foundation, to A. W. Merchant, Inc., Hospital Trust Bldg., Providence. Archts. est. $150,000.

Conn., Bridgeport—School—Bd. Educ., 2 story and basement, 20 room addition, brick and steel, plain foundation, Tesiny Ave., to W. Martin & Sons Co., 164 State St. Archts. est. $150,000. Noted Mar. 15.

Conn., Hartford — Apartment — R. A. D'Avino, archt., 647 Main St., two 3 story, 40 x 120 ft., brick, plain foundations, to Ferrigno & Perrone, 99 Magnolia St. Archts. est. $200,000 each. Owner's name withheld. Noted Apr. 26.

Conn., Hartford—Apartment—M. Shulman, 207 Sisson Ave., 3 story, 40 x 70 ft., brick, plain foundation, 32 Summer St., to F. Kaplan, 225 Vine St. Archts. est. $150,000. Noted Mar. 29.

Conn., Hartford — School — Northwest School Dist., 2 story, brick, plain foundation, Holbomb St., to Curtiss & Dean, 721 Main St. Archts. est. $150,000. Noted Mar. 22.

Conn., Manchester — Business — J. W. Farr, 983 Main St., 3 story, 50 x 100 ft., brick, plain foundation, Main St., to Manchester Constr. Co., 953 Main St. Archts. est. $150,000.

Conn., New Haven—Society—B. Goodhue, archt., 8 West 47th St., New York City, 3 story, 100 x 100 ft., brick, steel and stone, plain foundation, York St., to Jacobs & Youngs, 130 West 22nd St., New York City, for Yale University. Archts. est. $250,000. Noted Apr. 26.

Conn., Stamford — Bank and Office — Fidelity Title & Trust Co., 3 story, 45 x 111 ft., brick and steel, plain foundation, Atlantic St., to C. M. Cruikshank, 17 East 42nd St., New York City. Archts. est. $150,000. Noted Apr. 12.

N. Y., Attica—High School—Bd. Educ. general contract 3 story, 80 x 150 ft., brick and stone, Prospect St., to Morris & Allen, Inc., Prudential Bldg., Buffalo, $277,196; heating and ventilating work, to French & Keith, Randolph, $26,136. Noted Mar. 8.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, P. S. 100, 5 story, 178 x 195 ft., brick, steel and stone, plain foundation, West 3rd St. near Sheepshead Bay Blvd., here, to Concord Constr. Co., 476 Seneca Ave., $679,800. Noted Apr. 26.

N. Y., Mayville—High School—Bd. Educ. general contract brick high school, to C. Haas, 10th and Monroe Sts., Jamestown, $107,870; heating and ventilating work, to Chatfield & Sharp, 304 Pine St., Jamestown, $27,959. Noted Apr. 5.

N. Y., New York—Apartment—H. B. Herts, archt. and engr., 331 Madison Ave., brick, steel and stone, plain foundation, 165 East 60th St., to Fleischmann Constr. Co., 531 7th Ave. Archts. est. $1,000,000. Owner's name withheld.

N. Y., New York—Apartment—F. J. Willets, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 9 story, brick steel and stone, plain foundation, 142 East 49th St., by day labor.

N. Y., New York—Bank—North Side Savings Bank, 3230 3rd Ave., 1 story, brick, stone and marble addition, plain foundation, 162nd St. and 3rd Ave., to W. V. Kiehnle, 3606 Park Ave. Archts. est. $225,000. Noted Mar. 15.

N. Y., New York—Sales, etc.—Studebaker Corp. of America, Main and Bronson Sts., South Bend, Ind., 6 story and basement, 175 x 200 ft. sales and service building, brick and rein.-con., West 131st St., here, to Wharton, Green & Co., 37 West 39th St. Archts. est. $400,000. Noted Jan. 18.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 70, Weeks Ave., to T. Dwyer, Bway. and 216th St., $1,070,000. Noted Apr. 26.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., P. S. 66, Jennings St., and P. S. 67, East 179th St., both brick, steel and stone, plain foundations, to G. Dewompie, 30 Church St., $1,019,950 and $1,038,000. Noted Apr. 26.

N. Y., New York—School and Chapel—Holy Cross Congregation, 2 story and basement, fireproof construction, Soundview and Taylor Aves., to T. J. Waters Co., 271 West 125th St., $215,000.

N. Y., Rochester—Bank—East Side Savings Bank, Main St. E and Clinton Ave., altering and constructing 53 x 64 x 93 ft. brick addition to A. Frederick & Sons, 710 Lake Ave. Archts. est. $150,000. Noted Apr. 26.

N. Y., Spring Valley—Grade and High School—Bd. Educ., 2 story, brick, steel and stone, plain foundation, to J. B. Schultz, Suffern, $293,000. Noted Apr. 5.

N. J., Haddon Heights — High School — Bd. Educ., 3 story, 75 x 236 ft. and 55 x 77 ft., rein.-con., brick and steel, plain foundation, to Wills-Bill Co., 1706 Sansom St., Philadelphia, $329,923. Noted Apr. 12

Buildings (Continued)

N. J., West Orange—High School—Bd. Educ., 3 story, 105 x 230 ft., brick and steel, Gaston St., to Barr, Thaw & Fraser, 13th St., Hoboken. Noted Mar. 15.

Pa., Duquesne—School—Bd. Educ., 2 story and basement, 110 x 185 ft. brick, steel and limestone, 6th St., to Moore-Lamb Constr. Co., Stambaugh Bldg., Youngstown, O. Archts. est. $300,000. Noted Mar. 29.

Pa., Forty-Fort (Kingston, P. O.)—Church—Methodist Episcopal Church, building brick church, to J. Curtis & Co., Forty-Fort (Kingston, P. O.). Archts. est. $150,000.

Ga., Atlanta—School—For 4 story, 100 x 200 ft., rein.-con., plain foundation, to Southern Ferro Constr. Co., Trust Co., Georgia Bldg. $461,000. Noted Mar. 1.

Ky., Louisville — Store — Bensinger Outfitting Co., 315 West Market St., 5 story, 50 x 200 ft., brick and steel, Market St., to Platoff & Bush, 122 West Liberty St. Archts. est. $200,000. Noted Apr. 26.

O., Cleveland — Sales, etc. — Pontiac Impvt. Co., c/o A. L. Corlett, pres., 3328 Vega Ave., 2 story 101 x 120 ft., brick, steel and concrete sales building and garage, Ansel Rd. and Superior Ave., to De Hamel Constr. Co., Plymouth Bldg. Archts. est. $150,000. L. L. Carlozzi Co., 1258 East 105th St., lessee.

O., Cleveland—School and Chapel—W. C. Jansen, archt., 402 Electric Bldg., 2 story and basement, 103 x 150 ft., brick, steel and concrete, Libby Rd., to M. B. Parker Constr. Co., 1836 Euclid Ave., for St. Wenceslaus Roman Catholic Church, 2666 East 35th Pl. Archts. est $150,000. Noted Mar. 22.

Mich., Kalamazoo—Library—H. H. Turner, archt., Michigan Trust Bldg., Grand Rapids, 3 story and basement, 93 x 153 ft., rein.-con. and steel, plain foundation, to M. McQuigg, c/o Western State Normal School (owner), $193,875. Noted Mar. 22.

Ill., Chicago—Apartment-Hotel—Belmont Hotel Building Corp., 400 North Michigan Ave., 12 story, 174 x 210 ft., rein.-con., brick and steel, 3156-78 Sheridan Rd., to H. McLennan Constr. Co., 400 North Michigan Ave. Archts. est. $1,250,000.

Ill., Chicago — Apartment — Gammage & Lund, 30 North Dearborn St., 3 story, 150 x 155 ft., rein.-con., brick and steel, 1537-51 Fargo St., to A. Lindstrom, 30 North Dearborn St. Archts. est. $150,000.

Ill., Chicago—Apartment—A. W. Gustafson, 7715 North Paulina St., 3 story, 115 x 132 ft., rein.-con., brick and steel, 7745-55 Haskins St., by day labor. $150,000. E. E. Hall, 123 West Madison St., archt.

Ill., Chicago — Apartment — Poulsen & Weston, 6159 Greenwood Ave., 3 story, 100 x 141 ft., rein.-con., brick and steel, 6116-22 Kimbark Ave., by day labor. $175,000. Kocher & Larson, 6250 South Halsted St., archts.

Ill., Chicago—Apartment—Weinstein & Rizinsky, 1607 South Central Ave., will build 3 story, 60 x 175 ft., rein.-con., brick and steel, 4955-59 West Washington St., by day labor. A. L. Himelblau, 179 West Washington St., archt.

Ill., Chicago—Apartment—B. Wisorsky, 1246 South Turner Ave., 3 story, 119 x 175 ft., rein.-con., brick and steel, 3356-60 West Adams St., to Weinstein & Co., 3620 Lexington Ave. Archts. est. $150,000.

Ill., Chicago—Bank, Store and Office—O'Connor, Burke & McDonnell, 6821 Stony Island Ave., 3 story, 100 x 124 ft., rein.-con., brick and steel, 7850-58 Cottage Grove Ave., to R. S. Wood, 12 West 55th St. Archts. est. $225,000. Noted Apr. 19.

Wis., Madison—Store—S. C. Hanks Co., 1st Central Bldg., 2 story and basement, 80 x 190 ft., brick, rein.-con. and steel, plain foundation, State St., to C. B. Fritz Co., 138 North Frances St. Archts. est. $150,000.

Wis., Madison—Temple—Masonic Lodge, c/o J. D. Mack, Capitol Bldg., 3 story 110 x 132 ft., brick, rein.-con. and steel, plain foundation, East Johnson St., to J. H. Findorff & Co., 601 West Wilson St. Archts. est. $400,000. Noted Apr. 12.

Wis., Milwaukee — Apartment — S. N. Loftus, 3018 Wells St., 3 story and basement, 62 x 107 ft., brick and concrete, plain foundation, to Universal Constr. Co., 915 Chestnut St. Archts. est. $150,000.

Wis., Racine—High School—St. Catherines Academy, 1201 Park Ave., 3 story and basement, 100 x 198 ft., brick, tile and concrete, plain foundation, 12th and Park Sts., to Barry, Byrne & Ryan, 104 South Michigan Ave., Chicago. Archts. est. $300,000. Noted Feb. 8.

Wis., Sheboygan — Hospital — Sisters of St. Francis, c/o J. C. Straub, dir., Springfield, Ill., 2 story and basement hospital addition, rein.-con., steel and brick, plain foundation, to Nack & Borth, 1213 North 17th St., $100,458. Archts. est. $150,000. Noted Apr. 26.

Kan., Wichita — Hotel — O. Shirk, 240 North Topeka St., 7 story, 100 x 140 ft., rein.-con., brick and steel, plain foundation, to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg. Archts. est. $400,000. Noted Apr. 5.

Mo., St. Louis—Hotel—Fairmount Hotel Co., Chemical Bldg., 10 story, 147 x 216 ft., rein.-con. and brick, concrete pile foundation, Euclid Ave., to N. Howard, Arcade Bldg., $500,000.

Mo., University (St. Louis P. O.)—Theatre-Apartment—Parkview Realty Co., 1233 Boatmens Bank Bldg., St. Louis, 3 story, 110 x 193 ft., rein.-con., brick and steel, plain foundation, 6324-6342 Delmar Blvd., here, to M. B. Lippman, 4958 Delmar Blvd., St. Louis. Archts. est. $400,000.

Mo., Wellston (St. Louis P. O.)—High School—Wellston School Bd., 2 story and basement, 75 x 135 ft., rein.-con. and brick, plain foundation, Ella Ave., to W. MacDonald Constr. Co., 816 Olive St., St. Louis. Archts. est. $150,000. Noted Mar. 22.

Okla., Oklahoma City—Office—Alexander Drug Co., 216 West 1st St., 5 story, 75 x 130 ft., brick and concrete, 1st St., to Smizer Constr. Co., Terminal Bldg., $150,000.

Wash., Seattle—Office and Store—Bigelow Bldg. Co., 8 story, 60 x 120 ft., steel and concrete, 4th and Pike Sts., to Sound Eng. and Constr. Co., Lowman Bldg. Archts. est. $250,000. Noted Mar. 1.

Calif., Burbank—Theatre—M. Spazier, 202 East San Fernando Rd., will build theatre, fireproof, San Fernando Blvd., by day labor. $150,000.

Calif., Los Angeles—Loft—M. Harris, c/o H. Hewitt, Van Nuys Bldg., 7 story and basement, 73 x 109 ft., rein.-con., Main and 11th Sts., to J. C. Kubach, Merchants Natl. Bank Bldg. Archts. est. $150,000.

Calif., Los Angeles — Store, etc — D. E. Foster, c/o contractor, 1 and 3 story, rein.-con., store and garage, Maryland Ave., to G. G. Stewart, Lissner Bldg., $150,000.

Calif., Los Banos — Bank and Office — Bank of Los Banos, 2 story, rein.-con., to M. M. Finlayson, Los Banos, $150,000.

Que., Montreal—Office—Insurance Corp., Ltd., Montreal, 10 story, rein.-con., steel and stone, St. James St., to Anglin-Norcross Co., Victoria St., $1,100,100. Noted Feb. 1.

Que., Montreal—School—Protestant Bd. School Comrs., University Ave., 4 story, 71 x 116 ft. brick, rein.-con. and stone addition to Rosemount School, Rosemount Blvd., to J. MacGregor, 44 Closse St., $185,000.

Ont., Pembroke — School — Bd. Educ., 2 story and basement, 12 room, concrete and brick, general contract to W. Beatty Estate, Pembroke, $137,486. Noted Mar. 22.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Dredges—U. S. Engineer, P. O. Box 72, soon takes bids 2 steel hull dipper dredges 2½ to 4 cu.yd. capacity.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, plans to purchase 100 pieces 3 or 4 in. x 10 in. x 30 ft. rough oak, 125 pieces 12 x 12 in. x 12 ft. oak, 120 pieces 2 and 6 in. x 12 in. x 14 ft. oak, and 35,000 ft. long leaf yellow pine.

Ky., Pikesville—Hospital—Construction Quartermaster, War Dept., plans hospital buildings, here.

Montana—Roads—U. S. Bureau Pub. Rds., Dept. Agriculture, Wash., D. C., plans gravel surfacing 26 mi. Federal Aid Project 190, Pondero and Glacier Counties, $258,-118; 30 mi. Federal Aid Project 196, Glacier Co., $274,615. C. H. Purcell, Missoula, dist. engr.

Mo., Kansas City — Extension — Treas. Dept., Washington, D. C., rejected bids Extension 3 (complete incl. mechanical equipment) to U. S. Post Office and Court House, here. Noted Apr. 12.

Ark., Hot Springs—Quarters—Constructing Quartermaster, Army and Navy General Hospital, National Park, here, rejected bids 1 double set officers' quarters. Will readvertise. Noted Mar. 22.

Tex., Galveston—Dredging—U. S. Engineer, Galveston, plans dredging in Houston Ship Channel. L. M. Adams, dist. engr.

Calif., Mare Island—Reconstructing Dike—Spec. 4776—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids reconstructing Dike 14, here. Noted Mar. 22.

Calif., Salinas — Training Camp — Constructing Quartermaster, Fort Mason, San Francisco, soon takes bids for training camp, incl. deep wells, pumps, 200,000 gal. red wood tank, power lines, roads, sewers, camp buildings, etc., here, on Gihling Reservation, 3.5 mi. from Hilltown.

BIDS DESIRED

Mass., Rutland — Hospital — May 31 at office Quartermaster General, 2306 Munitions Bldg., Wash., D. C., 10 new rein.-con. and tile buildings, central heating plant with distribution main and necessary extensions to water, sewer and light lines, grading and roads, etc., at U. S. Veterans Hospital, here.

R. I., Providence—Dredging—May 31, at office U. S. Engineer, Providence, dredging in Duck Island Harbor, Conn.; adv. this issue. Noted Mar. 29.

Pa., Phila.—Dredging—June 8, at office U. S. Engineer, 815 Witherspoon Bldg., dredging in Delaware River, in Philadelphia Harbor; adv. this issue.

Pa., Phoenixville—Post Office—May 22, by Treas. Dept., Washington, D. C., for U. S. Post Office, here. J. A. Wetmore, acting supervy. archt.

Wis., Green Bay—Dredging—May 31 at office U. S. Engineer, Milwaukee, dredging, here; adv. this issue.

Mo., St. Louis—Levee—May 21 by Mississippi River Comn., International Life Bldg., St. Louis, Mo., Louisa Co. Levee Dist. 15, Iowa, 300,000 cu.yd. earthwork.

New Mexico—Road—May 17, by Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, Ariz., constructing or improving 11.09 mi. Glenwood-Reserve, Sect. 4, Forest Highway, Datil National Forest, Catron Co., here, 193,490 cu.yd. excav., etc. E. S. Wheeler, dist. engr.

Utah—Roads and Bridge—May 9, by U. S. Bureau Pub. Rds., Colonel Hudson Bldg., Ogden, grading and structures on 5 mi. Bryce Canyon Forest Rd., 13 mi. Cedar Long Valley Rd. and 7.5 mi. Panquitch-Tropic Rd. incl. one bridge, 117,000 lb. steel, etc. B. J. Finch, dist. engr.

Arizona — Bridges — May 12, by Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, constructing or improving structures on 23 436 mi. Flagstaff-Angel Forest Highway (Coconino National Forest, Coconino Co. E. S. Wheeler, dist. engr.

Arizona—Road—May 10, by Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, grading Prescott-White Spar Forest Highway, Prescott National Forest, 446,170 cu.yd excav., etc. E. S. Wheeler, dist. engr.

Oregon—Roads—May 8, by U. S. Bureau Pub. Rds., Dept. Agriculture, Post Office Bldg., Portland, grading and crushed rock or gravel surfacing 7.9 mi. McKinzie River Highway, National Forest Rd., Belknap, Lane Co., 16 ft., 24 mi. Eugene-Florence Rd., Sinslaw National Forest, 40 ft. wide, incl. 16 bridges and culverts. C. H. Purcell, dist. engr.

Calif., Los Angeles—Dredging—May 18 at office U. S. Engineer, Central Bldg., dredging in Los Angeles Harbor, Area 3, 1,270,000 cu.yd. with maximum allowable overdepth 36,000 cu.yd., Area 4, 610,000 cu.yd. overdepth allowance 20,000 cu.yd., Area 5, 820,000 cu.yd. overdepth allowance 24,000 cu.yd., Area 6, 200,000 cu.yd. overdepth allowance 20,000 cu.yd.

H. T., Pearl Harbor—Fire Protection System—Spec. 4827—Bureau Yards & Docks, Navy Dept., Wash., D. C., receiving bids fire protection system at Naval Ammunition Depot, here. Noted Apr. 19.

BIDS RECEIVED

N. Y., Chelsea — Hospital Buildings — Treas. Dept., Washington, D. C., additional hospital buildings, complete except mechanical equipment, here, (1) work complete, from Northeastern Constr. Co., 101 Park Ave., New York, (1) $699,106 (2) $862,483 (3) $974,630. Noted Apr. 5.

N. Y., Chelsea—Mechanical Equipment—Treas. Dept., Washington, D. C., mechanical equipment in several hospital buildings, here, (1) work complete, from Noland-Clifford Co., 322 28th St., Newport News, Va., Part 1, (1) $81,400 (2) $100,900 (3) $112,500, Part 2 (1) $264,000 (2) $267,800 (3) $271,000. Noted Apr. 5.

Tenn., Memphis—Earthwork — Mississippi River Comn., 1st and 2nd Dists., Custom House, earthwork (a) 315,000 cu.yd. Upper St. Francis Levee Dist. (b) 155,000 cu.yd. Reelfoot Levee List. (c) 1,154,000 cu.yd. Lower St. Francis Levee Dist. (d) 345,000 cu.yd. White River Levee Dist., from Roach, Stansell, Lawrence Bros. & Co., North Memphis Savings Bank Bldg., (a) $101,800 (c) $365,299 (d) $107,380; W. H. Dennison, Cushman, Ark., (b) $63,550. Noted Apr. 5.

Tenn., Nashville — Cement — U. S. Engineer, Custom House, furnishing 18,000 bbl. cement for lock and dam construction, from Atlas Portland Cement Co., 134 South La Salle St., Chicago, $3.52 per bbl. (paper sacks) f.o.b. Carthage. Noted Apr. 5.

Minn., St. Cloud—Dismantling, etc.—Spec. 4829—Bureau Yards & Docks, Navy Dept., Wash., D. C., dismantling tank and tower at Hampton Rds., Norfolk, Va., and transporting same to U. S. Veterans' Hospital, here, (1) work complete, from Chicago Bridge and Iron Co., 30 Church St., New York City (1) $11,190 (180 days), (2) $19,675 (180 days). Noted Apr. 19.

Federal Government Work (Continued)

Utah, Vernal—Post Office—Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here, from G. Griffith, Central National Bank Bldg., St. Louis, Mo., $49,987. Noted Apr. 5.

CONTRACTS AWARDED

D. C., Anacostia (Wash. P. O.)—Laboratory—Spec. 4824—Bureau Yards & Docks, Navy Dept., Wash., D. C., photographic laboratory at Naval Station, here, (1) work complete, to A. H. Rogers, 1616 Colorado Bldg., Wash., (1) $12,300 (3 months), (2) deduct $300. Noted Apr. 12.

Va., Hampton Roads—Reroofing—Spec. 4819—Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing Bldg. 100 at Naval Operating Base, here, to Odenhal-Monks Corp., 23rd St., Norfolk, $15,240 (90 days). Noted Mar. 29.

Va., Norfolk—Wharf—Spec. 4777—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to timber Wharf C, at Navy Yard, here, to T. A. Tatlerson, 411 West 13th St., $32,320. Noted Apr. 26.

Ala., Florence—Valves, etc.—U. S. Engineer, 6 sets cylinder valves for navigation lock, Wilson Dam, to Steacy-Schmidt Mfg. Co., York, Pa., $22,418. Noted Mar. 29.

Miscellaneous

PROPOSED WORK

Elimination of Grade Crossings—Middletown, Conn.—New York, New Haven & Hartford R.R., New Haven, State Hy. Dept., Hartford, and city, plan to eliminate crossing on Bridge St., here; $150,000. E. Gagel, ch. engr. of railroad.

Bleachers, etc.—New Britain, Conn.—Bd. Park Comrs. plans bleachers and field houses in Willow Brook Park. $25,000. R. Wainwright, supt. of parks.

Gas Holder—Albany, N. Y.—Municipal Gas Co., 126 State St., plans steel gas holder. $250,000.

Park Systems—Albany, N. Y.—Bd. Pub. Wks. plans extending and improving Park systems, incl. grading, sewers, macadam highways and swimming pools. To exceed $200,000. F. A. Raven, comr.

Ornamental Lighting System—Alexandria Bay, N. Y.—Thousand Island Yacht Club Special Lighting Com. plans ornamental lighting system. To exceed $50,000. Address J. L. Kincaid, 643 West Onondaga St., Syracuse.

Gas Holder—Buffalo, N. Y.—Iroquois Gas Co. plans steel gas holder, Baraga and Lackawana Sts. $200,000.

Ornamental Lighting System — Gloversville, N. Y.—Bd. Pub. Wks. plans ornamental lighting system in various streets. $30,000-$35,000.

Grandstand—Old Forge, N. Y.—Building Com. Old Forge Athletic Assn., plans steel and timber grandstand. $30,000.

Paving Plant—Rochester, N. Y.—Rochester Willite Pavement Co. (street address not available), plans paving plant. $50,000.

Gas Main—Schenectady, N. Y.—Adirondack Power & Light Corp., 511 State St., plans gas main in Erie Blvd. $25,000-$30,000.

Drilling Oil Wells — Warren, Pa. — B. Shearer plans to drill oil wells. $25,000.

Mines—Lenoir, N. C.—B. V. Booth, M. R. Warren and C. Guenter, Danville, Va., plan developing kaolin and aluminum mines, near here, incl. small tunnel and development of water power. $50,000.

Heating and Lighting Systems—Chapel Hill, N. C.—See "Sewers."

Pier—Cocoa, Fla.—Plans election to vote on $25,000 bonds for pier and causeway, concrete. J. J. Bracco, city clk.

Transmission Line — Indiana — Indiana Electric Corp., Grand Rapids Savings Bank Bldg., Grand Rapids, Mich., plans transmission line across Wabash River, 9 mi. southwest of Terre Haute, 780 ft. span, heavy steel truss towers. J. H. Brewer, pres.

Track Elevation—Indianapolis, Ind.—See "Industrial Works."

Electric Light Standards—Minneapolis, Minn.—Bd. Park Comrs., City Hall, plans 244 electric light standards along Minnehaha Parkway. $35,000. Private plans.

Steel, etc.—St. Paul, Minn.—Rejected bids opened Apr. 9, 70 pieces 26 x 72 in. and 1,200 pieces 26 x 108 in. corrugated steel painted; 10 bundles No. 24 galvanized sheet metal, 26 x 96 in., for Water Dept. Noted Apr. 5.

Transmission Line — Washington — See "Industrial Works."

Subway—Montreal, Que.—See "Streets and Roads."

Subway—Montreal, Que.—Plans reconstructing subway under Grand Trunk Ry. tracks on Wellington St. $200,000. E. Gauthier, asst. city clk.

Retaining Wall and Concrete Culverts—Fergus, Ont.—Wellington Co. having plans prepared for several rein.-con. culverts and retaining wall. $50,000. A. W. Connor, 34 Victoria St., Toronto, engr.

Subway—Oshawa, Ont.—City and Grand Trunk Ry., McGill St., Montreal, Que., plan concrete subway under tracks at Simcoe St. S. $30,000. W. C. Smith, city engr., F. L. C. Bond, Montreal, ch. engr.

Skating Arena—St. Catharines, Ont.—City plans brick and steel skating arena. $150,000. J. A. Pay, city clk.

BIDS DESIRED

Heating and Ventilating Apparatus, etc.—Astoria, N. Y.—May 7, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating and temperature regulation apparatus, in P. S. 70, 12th Ave. about 320 ft. southerly from Frand Ave., here.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—May 7, by W. H. Gompert, archt., Flatbush Ave. estension and Concord St., heating, ventilating and temperature regulation apparatus, in P. S. 161, Crown St., 160 ft. westerly of New York Ave., P. S. 192, 18th Ave. from 47th to 48th Sts., P. S. 193, Ave. L from Bedford Ave. to East 26th St.

Heating and Ventilating Apparatus, etc.—New York, N. Y.—May 7, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating and temperature regulation apparatus, in P. S. 65, East 141st St. between Cypress and Powers Aves., Bronx Boro.

Pier, etc.—New York, N. Y.—May 7, by Dept. Docks, Pier "A" foot of Battery Pl., North River, temporary pier and pile dolphins north of West 135th St., North River, Contr. 1793.

Subway—New York, N. Y.—May 22, by Transit Comn., 49 Lafayette St., for Sect. 2 of Route 45, part of Bway.-4th Ave. Rapid Transit R.R. G. McAneny, chn.

Underground Fire Alarm System—New York, N. Y.—May 8, by T. J. Drennan, fire comn., Municipal Bldg., portion of underground fire alarm system, Boro of Bronx.

Retaining Walls—Freehold, N. J.—May 16, by Bd. Freeholders Monmouth Co., rein.-con. retaining walls at Bridge W-43 between Avon and Belmar. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. this issue.

Bulkhead, etc.—Newark, N. J.—May 17, at office of T. L. Raymond, dir. Dept. Streets & Pub. Impvts., City Hall, timber bulkhead and culvert at Port Newark Terminal; adv. this issue.

Iron Castings—Baltimore, Md.—May 9, by Bd. Awards, City Hall, 200,000 lb. c.i. manhole sewer inlet and similar iron castings. C. F. Goob, City Hall, highways engr.

Cement, Paving Block, etc.—Wash., D. C.—May 15 by Dist. Comrs., 509 Dist. Bldg., furnishing portland cement, asphalt paving block, sewer brick, repressed vitr. paving block, asphalt paving cement, graphite curb, paving pitch, road oils, tars and bituminous patching material, limestone, limestone dust, sand and gravel.

Rein. Con. Pipe—South Carolina—May 5, by State Hy. Dept., Columbia, furnishing and delivering rein.-con. pipe to contractors to use during May, June and July, incl. 2,550 lin.ft. 15 in., 3,200 lin.ft. 18 in., 3,000 ft. 24 in., 550 lin.ft. 30 in. and 700 lin.ft. 36 in. pipe. C. H. Moorefield, state highway engr.

Gravel—Baton Rouge, La.—May 11, by State Hy. Comn., Reymond Bldg., furnishing 9,400 cu.yd. sand clay gravel not less than 60% stone retained on ½ in. screen, or alternate bid on 3,133 cu.yd. washed gravel and 6,267 cu.yd. sand clay gravel not less than 40% stone retained ½ in. screen. J. M. Fourmy, state engr.

Asphalt Cement—Milwaukee, Wis.—May 10, at office Central Bd. Purchases, 100 tons asphaltic cement for Street Construction Dept. D. W. Hoan, chn.

Track Development—Thiensville, Wis.—A. H. Hadler, clk., will receive proposals from engineers and surveyors until May 10 for plotting entire village 2 mi. long 1 mi. wide.

Levee System—Illinois—May 11, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, for State Prison Farm Levee System, 128,850 cu.yd. earthwork, etc. C. Older, ch. highway engr.

Road Oil—St. Paul, Minn.—May 14, by G. J. Ries, aud. Ramsey Co., 200,000 gal. road oil. P. N. Coates, co. surv. Noted Nov. 23.

BIDS RECEIVED

Tar, etc.—Trenton, N. J.—Mercer Co. Apr. 24, 130,000 gal. tar, from T. Tobias Amer. Mechanic Bldg., $35,83[illegible]; 45,000 gal. asphaltic oil, from Good Roads Co., Franklin Trust Bldg., Philadelphia, $12,278. Noted Apr. 12.

Storage Tanks, etc.—Phila., Pa.—Dept. Pub. Wks., Apr. 24, furnishing 7 steel storage tanks, from J. B. McHugh, Jr., Bridge and Penn Sts., $47,265.

Stadium—Berkeley, Calif.—University of California, completion of stadium, from Clinton Constr. Co., 923 Folsom St., (1) $511,740; Lange & Bergstrom, Sharon Bldg., San Francisco (1) $565,000 (2) $624,500 (3) $635,000 (4) $695,000; Schuler & McDonald, Builders Exch., Oakland, (1) $593,700 (2) $611,423 (3) $627,170 (4) $648,370. Alternate bids were received on construction of seats on wooden supports and also on large and small team house. Noted Feb. 8.

CONTRACTS AWARDED

Power Development—New York—Power Corp. of New York, Northern New York Trust Co. Bldg., Watertown, for 12,500 cu. yd. earth and 3,000 cu.yd. rock excav., 8,500 cu.yd. earth embankment, also rein.-con. power house and 800 ft. concrete dam, 65 ft. high, 20,000 cu.yd. concrete, at Flat Rock site, on Oswegatchie River, to Burns Bros. & Haley, Inc., Bank Bldg., Watertown, $800,000. Noted Apr. 5.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., heating, ventilating and temperature regulation apparatus, in P. S. 188, Neptune Ave. between West 33rd and West 35th Sts., to D. J. Rice, 42nd St. and Lexington Ave., New York, $79,247; in P. S. 189, East New York Ave. between Rockaway Blvd. and East 96th St., to Austin Eng. Co., 124 West 42nd St., New York, $77,772. Noted Apr. 19 and 26.

Borings—New York, N. Y.—Transit Comn., 49 Lafayette St., borings on site of proposed Coney Island Yard, Board of Brooklyn, proposed Westchester Ave. Yard, Boro of Bronx and along proposed extension to Bway.-4th Ave. Rapid Transit R.R. in Central Park between 7th Ave. and Central Park W., Boro of Manhattan, to P. J. Healey, 25 Church St., $7,380. Noted Apr. 26.

Steam Main—Cleveland, O.—For 2,140 ft. steam main in Carnegie Ave. extension, to Ric-Wil Co., Guardian Bldg., $39,706. Noted Apr. 26.

Dock—Milwaukee, Wis.—Sewerage Comn., 508 Market St., 1,338 ft. pile and concrete dock around west end of sewage disposal plant, to W. W. Whitney, 216 West Water St., $138,768. Noted Apr. 26.

Road Oil—Racine, Wis.—For 175,000 gal. road oil, to Lockwood Oil Co., 1421 Racine St., $.065 per gal. Noted Mar. 29.

Asphalt—St. Paul, Minn.—For 600 tons asphalt, to Minnesota Road Equipment Co., 4536 Dupont Ave. S., Minneapolis, $21.40 per ton. Noted Mar. 1.

Road Oil—St. Paul, Minn.—To Minnesota Road Equipment Co., 4536 Dupont Ave. S., Minneapolis, 700,000 gal. road oil at $0.0653 per gal. and 20,000 gal. at $0.0675. Noted Mar. 29.

Grand Stand—Topeka, Kan.—Kansas Free Fair Assn., Fair Grounds, 385 ft., steel and rein.-con. grand stand, 89 ft. deep, to Pratt Thompson Constr. Co., Republic Bldg., Kansas City, Mo., $162,800. Noted Apr. 5.

Road Oil—Clayton, Mo.—St. Louis Co. supplying road oil for use on roads during 1923, to Cabell Petroleum Co., Arcade Bldg., St. Louis, $0.0542 per gal. Engrs. est. $32,520. Noted Apr. 5.

Grain Elevator—Montreal, Que.—Montreal Harbor Comrs., will build Tarte Pier Grain Elevator by day labor. First unit 2,000,000 bu. capacity, rein.-con., structural steel marine towers, track sheds, receiving houses and shipping houses. $2,347,000. J. S. Metcalfe Co. Ltd., 54 St. Francois Xavier St., archts. Noted Feb. 15.

Culverts—Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, concrete culverts Crosby South Twp. Contr. 819, to Wallace & Sons, Smiths Falls, $15,000; Drummond Twp. Contr. 820, to Smith Falls Contr. Co., Smiths Falls, $15,000; Nepean Twp. Contr. 821, to C. O. Wood, 154 Cameron Ave., Ottawa, $15,000; Ross and Osnabruck Twps. Contrs. 822 and 823, to Ontario Bridge Co., Crown Office Bldg., Toronto, $30,000; Lancaster Twp. Contr. 824, to Seymour & Marpaw, Cornwall, $15,000; Sophiasburg Twp. Contr. 825, to R. H. H. Blackwell, 57 Queen St. W., Toronto, $15,000, Sidney Twp. Contr. 826, to W. G. Gibson, Wroxeter, $15,000.